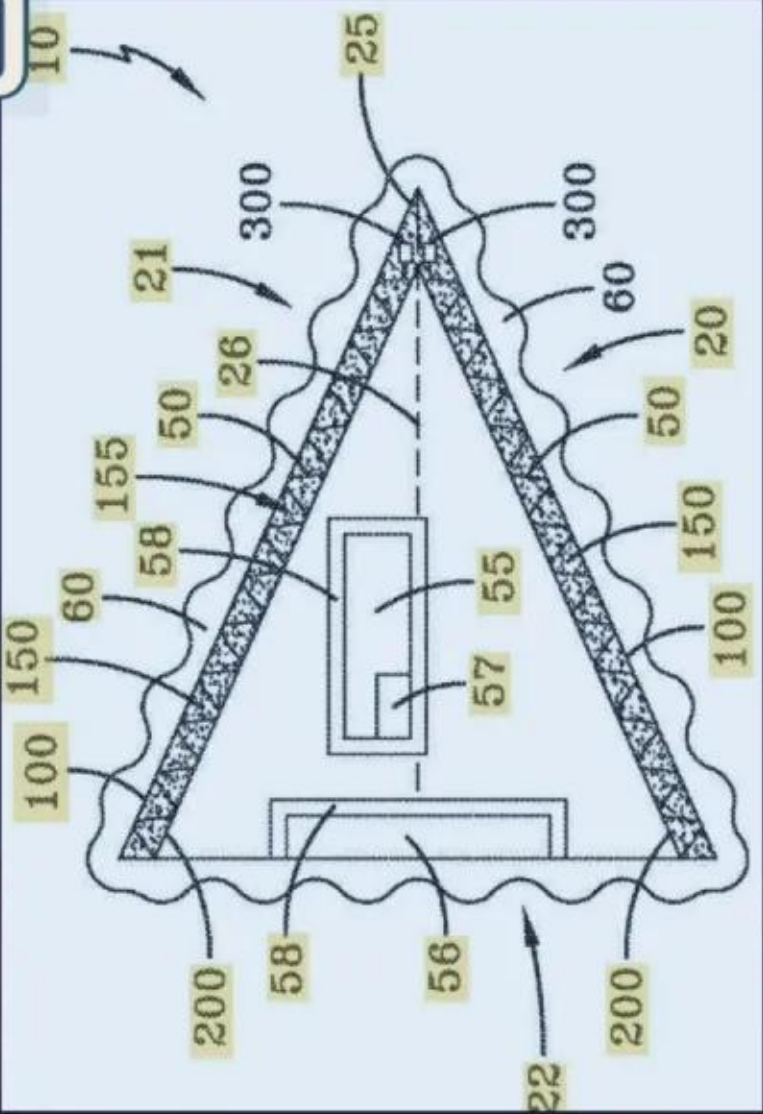


HIDDEN TRUTH SHOW WITH JIM BRESLO



RYAN CROSS

1
00:00:02,210 --> 00:00:05,940

[Music]

2
00:00:10,629 --> 00:00:08,020

you are listening to the hidden trade

3
00:00:11,850 --> 00:00:10,639

show which in Breslau find us at hidden

4
00:00:14,320 --> 00:00:11,860

truths show.com

5
00:00:17,560 --> 00:00:14,330

follow us on Facebook Twitter and

6
00:00:19,960 --> 00:00:17,570

Instagram that hidden truths show watch

7
00:00:22,600 --> 00:00:19,970

our YouTube channel he didn't read show

8
00:00:26,640 --> 00:00:22,610

please subscribe rate and review us

9
00:00:28,779 --> 00:00:26,650

under podcast em here's Jim Breslow

10
00:00:31,269 --> 00:00:28,789

welcome back to the hidden truth show

11
00:00:33,130 --> 00:00:31,279

today we return to our space deep dive

12
00:00:36,850 --> 00:00:33,140

as we search for the truth behind the

13
00:00:38,200 --> 00:00:36,860

tic-tac UFOs seen in the Navy videos one

14

00:00:40,060 --> 00:00:38,210

of the more fascinating parts of this

15

00:00:42,760 --> 00:00:40,070

story has been the patent that was

16

00:00:44,680 --> 00:00:42,770

issued to the Navy for a craft this he

17

00:00:46,750 --> 00:00:44,690

was very similar to the craft observed

18

00:00:49,510 --> 00:00:46,760

by the Navy pilots and shown in the

19

00:00:53,470 --> 00:00:49,520

video the patent application was filed

20

00:00:57,100 --> 00:00:53,480

in April 2016 and was granted by the

21

00:00:59,369 --> 00:00:57,110

Patent Office in November 2017 right

22

00:01:02,400 --> 00:00:59,379

around the time that the videos surfaced

23

00:01:06,520 --> 00:01:02,410

the inventor is identified as a Navy man

24

00:01:08,260 --> 00:01:06,530

Salvatori pace he was a mystery man who

25

00:01:10,600 --> 00:01:08,270

many doubted was even a real person

26

00:01:13,680 --> 00:01:10,610

until he surfaced recently answering

27

00:01:17,020 --> 00:01:13,690

email questions from the drive website

28

00:01:19,029 --> 00:01:17,030

there is now a wikipedia page about him

29

00:01:21,249 --> 00:01:19,039

it states that he is an aerospace

30

00:01:25,419 --> 00:01:21,259

engineer and inventor who works at the

31

00:01:28,089 --> 00:01:25,429

Naval Air Station Patuxent River the

32

00:01:30,999 --> 00:01:28,099

patent is for a quote craft using an

33

00:01:34,300 --> 00:01:31,009

inertial mass reduction device which can

34

00:01:36,850 --> 00:01:34,310

travel at extreme speeds the patent

35

00:01:38,830 --> 00:01:36,860

envisions a hybrid aerospace undersea

36

00:01:40,809 --> 00:01:38,840

craft which due to the physical

37

00:01:42,999 --> 00:01:40,819

mechanisms enabled with the inertial

38

00:01:45,520 --> 00:01:43,009

mass reduction device can function as a

39

00:01:48,100 --> 00:01:45,530

submersible craft capable of extreme

40

00:01:50,229 --> 00:01:48,110

underwater speeds this hybrid craft

41

00:01:54,999 --> 00:01:50,239

would move with great ease through air

42

00:01:58,089 --> 00:01:55,009

space and water mediums the patent has

43

00:02:01,359 --> 00:01:58,099

raised lots of questions does it in fact

44

00:02:03,430 --> 00:02:01,369

describe viable technology why would the

45

00:02:05,919 --> 00:02:03,440

US reveal proprietary information in a

46

00:02:07,749 --> 00:02:05,929

patent application why did in the u.s.

47

00:02:10,389 --> 00:02:07,759

apply for the application be kept

48

00:02:12,729 --> 00:02:10,399

classified why did the Patent Office

49

00:02:14,619 --> 00:02:12,739

first deny the patent then change its

50

00:02:18,039 --> 00:02:14,629

decision after receiving a letter from

51
00:02:19,720 --> 00:02:18,049
the Navy's chief technology officer why

52
00:02:21,580 --> 00:02:19,730
did the officer claim we would

53
00:02:24,430 --> 00:02:21,590
have to pay China for the technology if

54
00:02:26,080 --> 00:02:24,440
the patent is denied is this a

55
00:02:28,539 --> 00:02:26,090
disinformation campaign by our

56
00:02:31,449 --> 00:02:28,549
government are we trying to pretend that

57
00:02:33,430 --> 00:02:31,459
we have something that we do not or by

58
00:02:35,740 --> 00:02:33,440
stating that the invention is only in

59
00:02:37,750 --> 00:02:35,750
development are we perhaps pretending to

60
00:02:40,630 --> 00:02:37,760
not have something that we actually do

61
00:02:42,670 --> 00:02:40,640
have does the patent make it more or

62
00:02:46,300 --> 00:02:42,680
less likely that the tic-tac UFOs are

63
00:02:48,250 --> 00:02:46,310

actually us technology to answer these

64

00:02:51,009 --> 00:02:48,260

questions we turn to Ryan Krauss a

65

00:02:53,050 --> 00:02:51,019

physicist and patent attorney Krauss

66

00:02:56,520 --> 00:02:53,060

strongly suspects the patent is part of

67

00:02:58,509 --> 00:02:56,530

a US military disinformation campaign

68

00:03:00,430 --> 00:02:58,519

before we get to the interview I want to

69

00:03:03,130 --> 00:03:00,440

update everyone on former Navy

70

00:03:04,750 --> 00:03:03,140

intelligence specialist Mike turbo we

71

00:03:07,150 --> 00:03:04,760

launched this deep dive with our

72

00:03:09,309 --> 00:03:07,160

interview of turbo in which he claimed

73

00:03:12,130 --> 00:03:09,319

to have first-hand knowledge that the

74

00:03:15,930 --> 00:03:12,140

tic-tac UFOs seen by the Navy in 2004

75

00:03:19,270 --> 00:03:15,940

are incredible secret US technology and

76

00:03:22,930 --> 00:03:19,280

he hinted that he or at least his

77

00:03:24,909 --> 00:03:22,940

cellphone actually rode in one in this

78

00:03:25,509 --> 00:03:24,919

deep dive we have been investigating the

79

00:03:27,759 --> 00:03:25,519

tic-tacs

80

00:03:31,659 --> 00:03:27,769

to try to determine what they are are

81

00:03:34,300 --> 00:03:31,669

they earthly extraterrestrial altered

82

00:03:37,539 --> 00:03:34,310

consciousness' phantom technology or

83

00:03:39,610 --> 00:03:37,549

from the future in the course of the

84

00:03:43,150 --> 00:03:39,620

deep dive we have had many guests come

85

00:03:44,830 --> 00:03:43,160

on and scrutinized turbo's claims he has

86

00:03:47,920 --> 00:03:44,840

also received heavy scrutiny and

87

00:03:49,809 --> 00:03:47,930

criticism social media as I first

88

00:03:51,370 --> 00:03:49,819

reported here we asked Herbert to back

89

00:03:54,009 --> 00:03:51,380

up his claims by sitting for a

90

00:03:56,680 --> 00:03:54,019

lie-detector test on our show he

91

00:03:58,300 --> 00:03:56,690

initially agreed to do it however we are

92

00:04:01,870 --> 00:03:58,310

two months down the road and have been

93

00:04:03,610 --> 00:04:01,880

unable to schedule this with him I hold

94

00:04:05,920 --> 00:04:03,620

out hope that he will sit for the test

95

00:04:08,920 --> 00:04:05,930

or present evidence to back up his

96

00:04:11,170 --> 00:04:08,930

claims also don't forget to become a

97

00:04:13,150 --> 00:04:11,180

subscriber of our show you'll get the

98

00:04:16,150 --> 00:04:13,160

benefits of special emails episodes

99

00:04:18,129 --> 00:04:16,160

access to me and a hidden truth baseball

100

00:04:20,349 --> 00:04:18,139

cap and most importantly the good

101

00:04:23,379 --> 00:04:20,359

feeling that comes with supporting

102

00:04:26,140 --> 00:04:23,389

independent media to fight back against

103

00:04:28,270 --> 00:04:26,150

the controlled media right now we have

104

00:04:29,980 --> 00:04:28,280

two special episodes available for you

105

00:04:31,810 --> 00:04:29,990

and those of you that have been

106

00:04:32,930 --> 00:04:31,820

following this deep dive you're going to

107

00:04:35,750 --> 00:04:32,940

especially like that

108

00:04:38,060 --> 00:04:35,760

one is the Daily Star interview of Mike

109

00:04:39,800 --> 00:04:38,070

turbo listen closely to how he answers

110

00:04:42,350 --> 00:04:39,810

those questions as you consider his

111

00:04:44,360 --> 00:04:42,360

credibility and we have the second half

112

00:04:46,100 --> 00:04:44,370

of the jacks are Fadi interview in which

113

00:04:48,410 --> 00:04:46,110

he shares details of his Russia

114

00:04:50,870 --> 00:04:48,420

connection provides additional thoughts

115

00:04:53,560 --> 00:04:50,880

about the tic-tac technology and goes on

116

00:04:56,090 --> 00:04:53,570

to provide his theory on the universe

117

00:04:58,310 --> 00:04:56,100

you can listen to both of those episodes

118

00:05:01,000 --> 00:04:58,320

on patreon you just got to become a

119

00:05:09,050 --> 00:05:01,010

subscriber for \$5 a month go to

120

00:05:12,200 --> 00:05:09,060

patreon.com/scishow and we'll get one of

121

00:05:14,690 --> 00:05:12,210

those baseball hats sent out to you okay

122

00:05:16,310 --> 00:05:14,700

now for our interview with physicist and

123

00:05:19,040 --> 00:05:16,320

patent attorney Ryan Krauss

124

00:05:22,970 --> 00:05:19,050

what was your broad reaction to the

125

00:05:26,780 --> 00:05:22,980

patent I mean if you just look at the

126

00:05:29,510 --> 00:05:26,790

patent on the surface it's it's not an

127

00:05:31,550 --> 00:05:29,520

unusual patent from its layout and stuff

128

00:05:33,110 --> 00:05:31,560

it does have some strange features you

129

00:05:34,850 --> 00:05:33,120

know for one thing the background is

130

00:05:38,960 --> 00:05:34,860

almost twice as long as the description

131

00:05:40,550 --> 00:05:38,970

of the invention one of the reasons that

132

00:05:42,710 --> 00:05:40,560

is is they put a lot of the theory of

133

00:05:45,260 --> 00:05:42,720

how it works in the background which is

134

00:05:48,080 --> 00:05:45,270

a surprising place to put that I would

135

00:05:50,800 --> 00:05:48,090

expect it in the description of the

136

00:05:53,450 --> 00:05:50,810

actual invention the other thing is

137

00:05:55,190 --> 00:05:53,460

you've only got four claims in the whole

138

00:05:58,580 --> 00:05:55,200

application that's all it was filings

139

00:06:00,020 --> 00:05:58,590

with normally for something especially

140

00:06:02,659 --> 00:06:00,030

on this where you're not seeing a lot of

141

00:06:04,640 --> 00:06:02,669

art there's not a crowded area you would

142

00:06:07,760 --> 00:06:04,650

expect that they take full advantage of

143

00:06:10,159 --> 00:06:07,770

the twenty claim allowed by the Patent

144

00:06:13,850 --> 00:06:10,169

Office without imposing additional fees

145

00:06:16,100 --> 00:06:13,860

and you just don't have that here you

146

00:06:17,960 --> 00:06:16,110

have four claims you don't even have

147

00:06:20,900 --> 00:06:17,970

some of the obvious aspects that you

148

00:06:23,600 --> 00:06:20,910

would want to include them there like

149

00:06:27,520 --> 00:06:23,610

that the inner wall is insulated you

150

00:06:30,860 --> 00:06:27,530

don't see that in the claim so there's

151
00:06:33,080 --> 00:06:30,870
some oddball there but you know nothing

152
00:06:34,970 --> 00:06:33,090
totally out of line well let's start

153
00:06:36,620 --> 00:06:34,980
with your comment about there's being so

154
00:06:41,230 --> 00:06:36,630
much in the background and you would

155
00:06:43,370 --> 00:06:41,240
have put that into what the description

156
00:06:46,310 --> 00:06:43,380
yeah the description of the invention

157
00:06:46,650 --> 00:06:46,320
because really talking the basis of how

158
00:06:49,700 --> 00:06:46,660
the

159
00:06:52,290 --> 00:06:49,710
and supposed to work to be honest do

160
00:06:54,660 --> 00:06:52,300
doosenberry there's any reason you think

161
00:06:59,730 --> 00:06:54,670
they may have done it that way or just

162
00:07:02,130 --> 00:06:59,740
not the best lawyer in or what I I don't

163
00:07:04,260 --> 00:07:02,140

know what their thought was I mean in a

164

00:07:07,320 --> 00:07:04,270

way it's it's theory that was already

165

00:07:11,640 --> 00:07:07,330

out there so it is background like

166

00:07:13,440 --> 00:07:11,650

usually since it's directly affecting

167

00:07:15,780 --> 00:07:13,450

what I'm saying is how the invention

168

00:07:17,430 --> 00:07:15,790

operates you would go ahead and put that

169

00:07:19,950 --> 00:07:17,440

in the description because that's what

170

00:07:22,410 --> 00:07:19,960

you're taking advantage of background is

171

00:07:25,080 --> 00:07:22,420

usually here's what's been done before

172

00:07:27,510 --> 00:07:25,090

and none of this is really what's been

173

00:07:29,760 --> 00:07:27,520

done before as far as an apparatus like

174

00:07:33,650 --> 00:07:29,770

this do we know who the attorney was

175

00:07:38,190 --> 00:07:33,660

that wrote this well it's on the cover

176
00:07:40,670 --> 00:07:38,200
turning agent firm is more code what new

177
00:07:43,800 --> 00:07:40,680
CAD I don't I don't really know him but

178
00:07:49,470 --> 00:07:43,810
is he with the Navy or it looks like

179
00:07:53,940 --> 00:07:49,480
he's private practice I did not - I did

180
00:07:59,700 --> 00:07:53,950
not look into that I'll be be honest and

181
00:08:02,400 --> 00:07:59,710
I wouldn't do so let's talk about

182
00:08:04,409 --> 00:08:02,410
government patents for a second okay

183
00:08:06,690 --> 00:08:04,419
seems kind of an odd thing to me I

184
00:08:10,050 --> 00:08:06,700
hadn't really ever delved into this

185
00:08:12,360 --> 00:08:10,060
before that the US government can patent

186
00:08:14,520 --> 00:08:12,370
things is the US government treated just

187
00:08:16,920 --> 00:08:14,530
like any private individual or company

188
00:08:20,790 --> 00:08:16,930

when it comes to being able to patent

189

00:08:22,620 --> 00:08:20,800

things yes certainly videos the various

190

00:08:26,060 --> 00:08:22,630

arms of the government can compassion

191

00:08:30,659 --> 00:08:26,070

things just like any individual can

192

00:08:32,250 --> 00:08:30,669

generally the the government's

193

00:08:37,260 --> 00:08:32,260

restricted on what I can do as far as

194

00:08:39,870 --> 00:08:37,270

copywriting information so you'll see on

195

00:08:41,730 --> 00:08:39,880

some of the documents that they put out

196

00:08:44,130 --> 00:08:41,740

that it's you know there's no copyright

197

00:08:46,710 --> 00:08:44,140

is claimed but as far as patents they

198

00:08:48,480 --> 00:08:46,720

can they can through the Department of

199

00:08:54,090 --> 00:08:48,490

Energy through the Navy and stuff they

200

00:08:56,130 --> 00:08:54,100

do thing patent and to get a patent

201
00:08:57,570 --> 00:08:56,140
issued I think this is one of the

202
00:09:00,579 --> 00:08:57,580
biggest questions that pertain to this

203
00:09:04,650 --> 00:09:00,589
how viable does the invention

204
00:09:10,780 --> 00:09:04,660
has to be okay

205
00:09:12,519 --> 00:09:10,790
the patent has to work now in the

206
00:09:17,259 --> 00:09:12,529
prosecution they quote something that

207
00:09:18,100 --> 00:09:17,269
says that you know that it can be

208
00:09:19,900 --> 00:09:18,110
passion

209
00:09:22,090 --> 00:09:19,910
yeah a case where it says it can be

210
00:09:24,160 --> 00:09:22,100
patented even though it doesn't work but

211
00:09:29,160 --> 00:09:24,170
what they're really saying that that

212
00:09:32,319 --> 00:09:29,170
case they're referring to is that the

213
00:09:35,350 --> 00:09:32,329

the applicant doesn't have to prove that

214

00:09:37,900 --> 00:09:35,360

it works he just has to prove that the

215

00:09:40,420 --> 00:09:37,910

foundation for it is firm and that

216

00:09:42,009 --> 00:09:40,430

people would that people filled in the

217

00:09:43,929 --> 00:09:42,019

art would pretty much know that this is

218

00:09:46,119 --> 00:09:43,939

something that will work I'm not quite

219

00:09:48,280 --> 00:09:46,129

sure that falls in this area now the

220

00:09:49,929 --> 00:09:48,290

other side of that is although it has to

221

00:09:52,809 --> 00:09:49,939

work it doesn't have to work well

222

00:09:56,499 --> 00:09:52,819

there's nothing in patenting that says

223

00:09:58,269 --> 00:09:56,509

that there is going to be any kind of

224

00:10:03,879 --> 00:09:58,279

level of performance any kind of

225

00:10:05,499 --> 00:10:03,889

economical level so you know a tional II

226

00:10:08,619 --> 00:10:05,509

see something that says so good its

227

00:10:10,780 --> 00:10:08,629

patented well the patent is not any

228

00:10:12,879 --> 00:10:10,790

indications of merit it's just impatient

229

00:10:16,720 --> 00:10:12,889

that it's an invention and it has a

230

00:10:19,360 --> 00:10:16,730

youthful active aspect and so even even

231

00:10:21,660 --> 00:10:19,370

this even if it didn't work to do

232

00:10:24,579 --> 00:10:21,670

exactly what they said as long as it had

233

00:10:27,639 --> 00:10:24,589

some function you could claim that it

234

00:10:30,249 --> 00:10:27,649

was useful and and had utility and

235

00:10:32,470 --> 00:10:30,259

therefore could be patented the question

236

00:10:34,749 --> 00:10:32,480

raised by the examiner and the question

237

00:10:38,290 --> 00:10:34,759

that comes up from this is whether it's

238

00:10:40,689 --> 00:10:38,300

enabled and that is not whether it'll

239

00:10:42,879 --> 00:10:40,699

work but whether anybody could build it

240

00:10:44,499 --> 00:10:42,889

based on what's disclosed in this patent

241

00:10:46,780 --> 00:10:44,509

and really you're looking at one skilled

242

00:10:50,679 --> 00:10:46,790

in the art but still you have quite a

243

00:10:53,049 --> 00:10:50,689

few holes I think as far as being able

244

00:10:55,269 --> 00:10:53,059

to build it so from a legal perspective

245

00:10:58,360 --> 00:10:55,279

what is the when it comes to viability

246

00:11:02,590 --> 00:10:58,370

was the legal standard in order to get a

247

00:11:05,470 --> 00:11:02,600

patent issued okay so what said it has

248

00:11:07,960 --> 00:11:05,480

to be be in an area that you think it's

249

00:11:12,189 --> 00:11:07,970

good either you can prove that it works

250

00:11:13,350 --> 00:11:12,199

or that it reasonably should work so now

251
00:11:15,060 --> 00:11:13,360
than that

252
00:11:17,130 --> 00:11:15,070
to be disclosed so that one skilled in

253
00:11:19,949 --> 00:11:17,140
the arts could build it without what's

254
00:11:21,090 --> 00:11:19,959
called undue experimentation so if they

255
00:11:25,560 --> 00:11:21,100
have to spend a lot of time developing

256
00:11:28,170 --> 00:11:25,570
stuff it's not really there in this case

257
00:11:30,889 --> 00:11:28,180
what the patent examiner pointed out was

258
00:11:33,540 --> 00:11:30,899
I had to do with the emm field and said

259
00:11:37,500 --> 00:11:33,550
no they're you know the largest iam

260
00:11:39,810 --> 00:11:37,510
enfolded it's much less than what what

261
00:11:43,470 --> 00:11:39,820
you're saying need in here the largest

262
00:11:47,280 --> 00:11:43,480
emn field ever built magnetic field ever

263
00:11:50,630 --> 00:11:47,290

built and so nobody skilled in the art

264

00:11:54,569 --> 00:11:50,640

moves how to build an e unfilled VESA

265

00:11:56,699 --> 00:11:54,579

accomplishes this they replies with

266

00:12:00,139 --> 00:11:56,709

certain documents and that kind of an

267

00:12:03,690 --> 00:12:00,149

odd aspect because they reply with

268

00:12:06,560 --> 00:12:03,700

publications by the inventor that

269

00:12:09,960 --> 00:12:06,570

occurred after the filing date of this

270

00:12:12,300 --> 00:12:09,970

strictly speaking even if those enabled

271

00:12:14,430 --> 00:12:12,310

the invention and chill Didache an email

272

00:12:16,769 --> 00:12:14,440

build could build since they were

273

00:12:18,540 --> 00:12:16,779

documents after the filing date they

274

00:12:20,250 --> 00:12:18,550

could not enable this invention they

275

00:12:21,840 --> 00:12:20,260

would have had been documents before the

276

00:12:23,639 --> 00:12:21,850

filing date because one skilled in the

277

00:12:25,829 --> 00:12:23,649

art would have known about those

278

00:12:29,519 --> 00:12:25,839

documents at the time that the invention

279

00:12:33,829 --> 00:12:29,529

was filed you I've got other holes there

280

00:12:40,650 --> 00:12:36,960

they claim the inner wall and the outer

281

00:12:47,250 --> 00:12:40,660

wall for this chamber and I believe your

282

00:12:50,939 --> 00:12:47,260

guest recently businesses Jeff Jack's

283

00:12:52,710 --> 00:12:50,949

our party's death yeah a party I was

284

00:12:54,300 --> 00:12:52,720

talking about that when he was talking

285

00:12:55,259 --> 00:12:54,310

about the meta materials that could be

286

00:12:58,050 --> 00:12:55,269

used for this

287

00:13:00,960 --> 00:12:58,060

but then indicated that the exact minute

288

00:13:03,300 --> 00:13:00,970

materiality that would be needed for

289

00:13:05,460 --> 00:13:03,310

them had not been made yet and would

290

00:13:08,970 --> 00:13:05,470

require a lot of experimentation to make

291

00:13:11,040 --> 00:13:08,980

the fact that they don't disclose any

292

00:13:12,810 --> 00:13:11,050

material that can be used for it they

293

00:13:17,490 --> 00:13:12,820

don't point out it any kind of material

294

00:13:19,079 --> 00:13:17,500

and from from Jeff we get some material

295

00:13:21,689 --> 00:13:19,089

that could be used hasn't them developed

296

00:13:25,139 --> 00:13:21,699

would kind of imply the Thurs that this

297

00:13:27,689 --> 00:13:25,149

hasn't been able to man from a undue

298

00:13:30,240 --> 00:13:27,699

experimentation

299

00:13:33,629 --> 00:13:30,250

so you agree with Cervantes comment that

300

00:13:38,670 --> 00:13:33,639

this invention would require meta

301

00:13:41,040 --> 00:13:38,680

materials I haven't looked into the

302

00:13:43,590 --> 00:13:41,050

physics back deeply I would be surprised

303

00:13:45,660 --> 00:13:43,600

that you could build the chamber and get

304

00:13:48,600 --> 00:13:45,670

this result out of a normal material

305

00:13:51,420 --> 00:13:48,610

what Jack or Jessica thought he was

306

00:13:53,220 --> 00:13:51,430

saying as far as needing a certain index

307

00:13:55,650 --> 00:13:53,230

of refraction and stuff to make a lot of

308

00:13:58,290 --> 00:13:55,660

sense but I have not gone back through

309

00:14:02,160 --> 00:13:58,300

to look at the real hard science on it

310

00:14:04,319 --> 00:14:02,170

and sounds like based on your review of

311

00:14:07,769 --> 00:14:04,329

the patent you're somewhat surprised

312

00:14:12,600 --> 00:14:07,779

that the government was able to get it

313

00:14:14,970 --> 00:14:12,610

issued i I am somewhat surprised I think

314

00:14:19,740 --> 00:14:14,980

the examiner had good arguments that it

315

00:14:21,090 --> 00:14:19,750

wasn't enabled as I said they came back

316

00:14:23,730 --> 00:14:21,100

with arguments but part of their

317

00:14:25,439 --> 00:14:23,740

arguments were based on documents that

318

00:14:28,439 --> 00:14:25,449

would enable it that shouldn't have been

319

00:14:30,749 --> 00:14:28,449

considered and then apparently the

320

00:14:34,579 --> 00:14:30,759

letters from the Navy the Declaration

321

00:14:38,220 --> 00:14:34,589

and letter from the Navy which in itself

322

00:14:39,870 --> 00:14:38,230

is kind of an interesting document oh

323

00:14:42,600 --> 00:14:39,880

yeah we're gonna go through I want to go

324

00:14:46,199 --> 00:14:42,610

through that letter with you this is the

325

00:14:48,930 --> 00:14:46,209

letter dated December 15th to 2017 where

326

00:14:51,120 --> 00:14:48,940

it's the CTO the chief technology

327

00:14:55,740 --> 00:14:51,130

officer of the Navy that makes a direct

328

00:14:57,540 --> 00:14:55,750

appeal to the patent examiner who was on

329

00:15:00,980 --> 00:14:57,550

the verge I guess of denying the patent

330

00:15:03,840 --> 00:15:00,990

and he writes just a one-page letter

331

00:15:06,360 --> 00:15:03,850

that would it appear from your review of

332

00:15:09,319 --> 00:15:06,370

the file that this was the letter that

333

00:15:11,910 --> 00:15:09,329

turned things around

334

00:15:15,050 --> 00:15:11,920

well you don't know it was it was on

335

00:15:17,490 --> 00:15:15,060

appeal what happens is the examiners

336

00:15:20,879 --> 00:15:17,500

reviewed the application at that point

337

00:15:23,400 --> 00:15:20,889

he makes a rejection the applicant has a

338

00:15:27,499 --> 00:15:23,410

chance to respond I mean the claims if

339

00:15:33,569 --> 00:15:30,900

he's lots of times after that either an

340

00:15:35,550 --> 00:15:33,579

allowance for a final rejection in this

341

00:15:37,920 --> 00:15:35,560

case it was a final rejection on the

342

00:15:40,230 --> 00:15:37,930

same basis that the invention was not

343

00:15:45,889 --> 00:15:40,240

enabled they appealed

344

00:15:49,319 --> 00:15:45,899

at that point the examiner can either

345

00:15:53,009 --> 00:15:49,329

change his mind which is what he did and

346

00:15:55,109 --> 00:15:53,019

allow the case or he can file a response

347

00:15:59,100 --> 00:15:55,119

to that replied reason examiner's answer

348

00:16:01,530 --> 00:15:59,110

and it can go forward to appeal usually

349

00:16:02,879 --> 00:16:01,540

what happens as I understand it is the

350

00:16:04,290 --> 00:16:02,889

examiner will go in and talk to his

351
00:16:07,679 --> 00:16:04,300
supervisor about the case and whether

352
00:16:11,519 --> 00:16:07,689
they want to go ahead and appeal you're

353
00:16:13,259 --> 00:16:11,529
looking at this and this letter if I

354
00:16:16,919 --> 00:16:13,269
would think that I would not move me off

355
00:16:18,660 --> 00:16:16,929
my my basis so to be clear the examiner

356
00:16:21,689 --> 00:16:18,670
up until the point of the letter was

357
00:16:23,780 --> 00:16:21,699
saying that this patent is not enabled

358
00:16:26,249 --> 00:16:23,790
and to be clear when you say is not

359
00:16:29,249 --> 00:16:26,259
enabled saying that it would still take

360
00:16:36,449 --> 00:16:29,259
too much experimentation to be able to

361
00:16:40,919 --> 00:16:36,459
actually create this yeah okay so what

362
00:16:42,569 --> 00:16:40,929
in the letter by the CTO would have told

363
00:16:45,389 --> 00:16:42,579

this patent examiner that

364

00:16:53,369 --> 00:16:45,399

oh it's more enabled than I had given it

365

00:16:58,789 --> 00:16:53,379

credit for I'm not clear on that the

366

00:17:02,280 --> 00:16:58,799

first line of the letter includes that

367

00:17:04,740 --> 00:17:02,290

that the CTO says I agree with your main

368

00:17:07,500 --> 00:17:04,750

point the examiners main point that this

369

00:17:09,809 --> 00:17:07,510

is this mode of acceleration slash

370

00:17:12,899 --> 00:17:09,819

movement is beyond the state of the

371

00:17:14,730 --> 00:17:12,909

possible at least the president should

372

00:17:16,980 --> 00:17:14,740

that if something that beyond the state

373

00:17:18,569 --> 00:17:16,990

of the possible at the present should

374

00:17:21,299 --> 00:17:18,579

that in and of itself be grounds for

375

00:17:24,000 --> 00:17:21,309

rejecting a patent application it would

376

00:17:27,449 --> 00:17:24,010

depend kind of what I meant on that it

377

00:17:29,940 --> 00:17:27,459

might be that it would take so much

378

00:17:32,159 --> 00:17:29,950

energy to do it that it could be done

379

00:17:34,830 --> 00:17:32,169

but it would just not be financially

380

00:17:37,380 --> 00:17:34,840

feasible or practical to carry it out in

381

00:17:39,930 --> 00:17:37,390

which case that would not be around a

382

00:17:44,430 --> 00:17:39,940

basis for denying the patent but given

383

00:17:47,340 --> 00:17:44,440

that you know it starts out with dr. PS

384

00:17:49,649 --> 00:17:47,350

has shared your views of his patent

385

00:17:54,150 --> 00:17:49,659

disclosure and I agree with your main

386

00:17:56,700 --> 00:17:54,160

point it kind of implies that

387

00:17:59,010 --> 00:17:56,710

somebody filled in the art could not

388

00:18:03,150 --> 00:17:59,020

produce the electromagnetic field

389

00:18:04,350 --> 00:18:03,160

without undoing experimentation that it

390

00:18:10,950 --> 00:18:04,360

would be beyond what's currently

391

00:18:14,030 --> 00:18:10,960

possible without a lot of work yeah

392

00:18:17,490 --> 00:18:14,040

so the CTO is making an admission there

393

00:18:20,990 --> 00:18:17,500

that was damaging to his chances but

394

00:18:24,030 --> 00:18:21,000

then later in the letter he says

395

00:18:26,190 --> 00:18:24,040

regarding paste the inventor he is

396

00:18:27,510 --> 00:18:26,200

currently one year into the project and

397

00:18:30,680 --> 00:18:27,520

has already begun a series of

398

00:18:34,260 --> 00:18:30,690

experiments to design and demonstrate

399

00:18:38,310 --> 00:18:34,270

advanced high energy density high power

400

00:18:43,620 --> 00:18:38,320

propulsion systems tell me if you find

401
00:18:46,320 --> 00:18:43,630
that significant well I might but the

402
00:18:48,150 --> 00:18:46,330
next sentence is if the desired results

403
00:18:51,000 --> 00:18:48,160
are not achieved due to the samples

404
00:18:53,400 --> 00:18:51,010
charge he will move move to using a

405
00:18:55,620 --> 00:18:53,410
super capacitor and the spinning test

406
00:18:56,790 --> 00:18:55,630
that said so he's still experimenting

407
00:19:00,510 --> 00:18:56,800
with this he's still trying to figure

408
00:19:02,970 --> 00:19:00,520
out how to do it this is so he you're

409
00:19:07,230 --> 00:19:02,980
kind of indicates the doctor honey for

410
00:19:09,030 --> 00:19:07,240
that yes anyone but that he's still

411
00:19:13,200 --> 00:19:09,040
experimenting with it but he hasn't

412
00:19:16,590 --> 00:19:13,210
hammered it out yet right just a

413
00:19:21,240 --> 00:19:16,600

paragraph about that it also talks about

414

00:19:23,910 --> 00:19:21,250

dr. P Adams experiments but it says

415

00:19:25,410 --> 00:19:23,920

again it's successful the realization of

416

00:19:27,390 --> 00:19:25,420

this result demonstrates that this

417

00:19:30,660 --> 00:19:27,400

patent document the future state as a

418

00:19:33,090 --> 00:19:30,670

possible and move propulsion technology

419

00:19:38,190 --> 00:19:33,100

beyond gas dynamics blah blah blah once

420

00:19:40,710 --> 00:19:38,200

again is it successful so there's a lot

421

00:19:43,290 --> 00:19:40,720

of this letter that says that nothing's

422

00:19:45,750 --> 00:19:43,300

been tested and carried out and that it

423

00:19:47,970 --> 00:19:45,760

still is gonna require a lot of testing

424

00:19:51,780 --> 00:19:47,980

to figure out exactly how to do it yeah

425

00:19:53,820 --> 00:19:51,790

I I had that line highlighted that says

426

00:19:56,070 --> 00:19:53,830

as far as describing what they're trying

427

00:20:00,540 --> 00:19:56,080

to achieve and that is something that

428

00:20:04,230 --> 00:20:00,550

quote moves propulsion technology beyond

429

00:20:07,720 --> 00:20:04,240

gas dynamic systems to field induced

430

00:20:10,120 --> 00:20:07,730

propulsion based field induced

431

00:20:13,630 --> 00:20:10,130

propulsion based hybrid aerospace

432

00:20:17,070 --> 00:20:13,640

undersea craft i mean you know first of

433

00:20:20,110 --> 00:20:17,080

all that's pretty pretty stunning

434

00:20:21,400 --> 00:20:20,120

statement but if i'm understanding that

435

00:20:24,370 --> 00:20:21,410

correctly they're talking about

436

00:20:30,850 --> 00:20:24,380

inventing something where gas-powered

437

00:20:32,710 --> 00:20:30,860

engines would no longer exist uh yeah

438

00:20:34,740 --> 00:20:32,720

they're talking about the exact same

439

00:20:39,270 --> 00:20:34,750

thing is in the patent and inertialess

440

00:20:43,510 --> 00:20:39,280

mass drive that they can operate under

441

00:20:46,480 --> 00:20:43,520

gravity and inertia principle yeah

442

00:20:47,800 --> 00:20:46,490

pretty stunning potential invention here

443

00:20:50,350 --> 00:20:47,810

though right something that's going to

444

00:20:55,510 --> 00:20:50,360

replace the gas engine and presumably

445

00:21:00,490 --> 00:20:55,520

all craft would use this type of new

446

00:21:03,280 --> 00:21:00,500

propulsion system I think you know

447

00:21:05,470 --> 00:21:03,290

replacing all craft is probably a little

448

00:21:07,360 --> 00:21:05,480

beyond what's going to happen you know

449

00:21:09,630 --> 00:21:07,370

assuming it worked exactly and they

450

00:21:13,750 --> 00:21:09,640

could implement it replacing all craft

451
00:21:15,670 --> 00:21:13,760
anytime soon would be would be beyond

452
00:21:19,870 --> 00:21:15,680
what you would think kind of beyond the

453
00:21:21,490 --> 00:21:19,880
pale but certainly the types of movement

454
00:21:23,230 --> 00:21:21,500
you'd be talking about with inertial and

455
00:21:26,530 --> 00:21:23,240
strive with open all sorts of

456
00:21:28,180 --> 00:21:26,540
possibilities if you can have astronauts

457
00:21:30,060 --> 00:21:28,190
in there that are not subject to inertia

458
00:21:33,280 --> 00:21:30,070
then you don't have to worry about

459
00:21:36,220 --> 00:21:33,290
acceleration speed which you which you

460
00:21:37,930 --> 00:21:36,230
have to worry about now on craft because

461
00:21:42,000 --> 00:21:37,940
the human body is only going to take so

462
00:21:45,270 --> 00:21:42,010
much acceleration and so you can

463
00:21:49,390 --> 00:21:45,280

potentially get to the places that

464

00:21:52,690 --> 00:21:49,400

amazing speeds and it opens a world of

465

00:21:54,670 --> 00:21:52,700

possibilities and based on your physics

466

00:21:57,190 --> 00:21:54,680

background do you have any assessment of

467

00:22:04,030 --> 00:21:57,200

this does this seem you pass the smell

468

00:22:05,860 --> 00:22:04,040

test to you you know I dream of me

469

00:22:07,960 --> 00:22:05,870

always like to to think that say you

470

00:22:12,790 --> 00:22:07,970

know we can get to a place where we are

471

00:22:14,440 --> 00:22:12,800

basically manipulating gravity I you

472

00:22:16,150 --> 00:22:14,450

know the practical part of me says

473

00:22:18,010 --> 00:22:16,160

there's a lot of hurdles and I have a

474

00:22:20,170 --> 00:22:18,020

hard time believing that right now we

475

00:22:21,200 --> 00:22:20,180

are at a state where we can manipulate

476

00:22:24,590 --> 00:22:21,210

it well enough

477

00:22:26,360 --> 00:22:24,600

we make a craft that does this and I

478

00:22:27,889 --> 00:22:26,370

think I said that this way to Jack and I

479

00:22:30,289 --> 00:22:27,899

think he said I was saying right Jack's

480

00:22:33,830 --> 00:22:30,299

a fraud mr. Fadi am I correct that the

481

00:22:37,279 --> 00:22:33,840

concept here is a craft that creates its

482

00:22:39,260 --> 00:22:37,289

own gravitational field that has the

483

00:22:44,450 --> 00:22:39,270

effect of negating the Earth's

484

00:22:46,419 --> 00:22:44,460

gravitational field I yeah I would not

485

00:22:49,250 --> 00:22:46,429

think it would be really so much

486

00:22:50,960 --> 00:22:49,260

negating that it's just generating a

487

00:22:56,299 --> 00:22:50,970

different gravitational field around

488

00:22:58,490 --> 00:22:56,309

itself so within there you may not feel

489

00:23:00,590 --> 00:22:58,500

the effects of the Earth's gravity

490

00:23:03,440 --> 00:23:00,600

because of the gravitational field it

491

00:23:06,889 --> 00:23:03,450

creates of course Earth's gravity field

492

00:23:10,159 --> 00:23:06,899

would still be there so it's a some

493

00:23:14,299 --> 00:23:10,169

extent within the ship itself you would

494

00:23:16,100 --> 00:23:14,309

be negating it but um you wouldn't it's

495

00:23:19,970 --> 00:23:16,110

not like you're still wouldn't still be

496

00:23:21,799 --> 00:23:19,980

all around the craft and basically it

497

00:23:24,500 --> 00:23:21,809

would be trading the field before it and

498

00:23:28,460 --> 00:23:24,510

maybe potentially behind it so as to

499

00:23:30,019 --> 00:23:28,470

manipulate that good space and inertia

500

00:23:31,549 --> 00:23:30,029

to move gotcha

501
00:23:35,960 --> 00:23:31,559
so it creates kind of a zero gravity

502
00:23:37,730 --> 00:23:35,970
field around it right and then and then

503
00:23:39,919 --> 00:23:37,740
how does it propel itself if you could

504
00:23:44,870 --> 00:23:39,929
describe that in layman's term based on

505
00:23:46,820 --> 00:23:44,880
your review of the patent well you know

506
00:23:49,430 --> 00:23:46,830
it's if you're falling you're falling

507
00:23:52,310 --> 00:23:49,440
under the effects of a gravitational

508
00:23:55,909 --> 00:23:52,320
field the Earth's gravitational field so

509
00:23:58,490 --> 00:23:55,919
it's not inconceivable that you if

510
00:24:00,080 --> 00:23:58,500
you're generating if you can make no

511
00:24:01,549 --> 00:24:00,090
fields you can make some kind of

512
00:24:04,130 --> 00:24:01,559
positive bill the head of it which

513
00:24:06,830 --> 00:24:04,140

basically stops the craft in the

514

00:24:10,010 --> 00:24:06,840

direction it's heading aha fascinating

515

00:24:11,299 --> 00:24:10,020

that's the first on board okay a light

516

00:24:13,909 --> 00:24:11,309

bulb just kind of went on in my head the

517

00:24:16,100 --> 00:24:13,919

way you just described that so just like

518

00:24:17,930 --> 00:24:16,110

you can fall to earth the Earth's

519

00:24:20,659 --> 00:24:17,940

gravitational pull is sucking you to

520

00:24:24,350 --> 00:24:20,669

earth the gravity force can pull you

521

00:24:26,630 --> 00:24:24,360

forward or backwards etc yes that's

522

00:24:28,070 --> 00:24:26,640

wherever you're creating the the pool of

523

00:24:30,769 --> 00:24:28,080

the gravity gravity field

524

00:24:33,440 --> 00:24:30,779

it would now all in that direction now

525

00:24:35,150 --> 00:24:33,450

there's a maximum speed by which you can

526

00:24:36,710 --> 00:24:35,160

fall I don't know

527

00:24:41,660 --> 00:24:36,720

what they call that or what that number

528

00:24:44,420 --> 00:24:41,670

is do you know well is the terminal

529

00:24:47,270 --> 00:24:44,430

velocity yeah maximum seat you can fall

530

00:24:52,070 --> 00:24:47,280

in at earth and that's basically due to

531

00:24:53,930 --> 00:24:52,080

air friction so potentially I don't know

532

00:24:56,840 --> 00:24:53,940

how this gravitational field interacts

533

00:24:59,200 --> 00:24:56,850

with air and that is an interesting

534

00:25:01,730 --> 00:24:59,210

component there might be some maximum

535

00:25:05,450 --> 00:25:01,740

speed within the atmosphere you can go

536

00:25:07,340 --> 00:25:05,460

just because of however interaction with

537

00:25:13,330 --> 00:25:07,350

air and friction does that mean in

538

00:25:16,670 --> 00:25:13,340

thinner air you can fall faster oh yes

539

00:25:19,040 --> 00:25:16,680

if the earth had no atmosphere and you

540

00:25:21,260 --> 00:25:19,050

were falling then you would continue to

541

00:25:23,300 --> 00:25:21,270

gain gain speed until you splat it into

542

00:25:25,820 --> 00:25:23,310

the earth as it is you start getting

543

00:25:28,970 --> 00:25:25,830

counting air friction and that that

544

00:25:31,010 --> 00:25:28,980

stops you from gaining just blossom

545

00:25:32,630 --> 00:25:31,020

until you hit at some point you're at

546

00:25:33,860 --> 00:25:32,640

the maxing boss if you can get cuz the

547

00:25:36,830 --> 00:25:33,870

earth pushing you back up

548

00:25:40,280 --> 00:25:36,840

but isn't the the air thinner the higher

549

00:25:42,950 --> 00:25:40,290

in the atmosphere Wow so does that mean

550

00:25:45,680 --> 00:25:42,960

that terminal velocity varies if you

551
00:25:48,260 --> 00:25:45,690
jump out of a plane at 30,000 feet do

552
00:25:49,940 --> 00:25:48,270
you fall faster you know when you're

553
00:25:58,480 --> 00:25:49,950
higher up and start slowing down as you

554
00:26:01,310 --> 00:25:58,490
get closer to Earth exact speed I'm

555
00:26:03,950 --> 00:26:01,320
generally what's going to happen is

556
00:26:06,440 --> 00:26:03,960
you're going to keep gain speed until

557
00:26:09,200 --> 00:26:06,450
you to get enough atmosphere that it's

558
00:26:10,670 --> 00:26:09,210
going to eventually bring you to go stop

559
00:26:13,250 --> 00:26:10,680
if you're going too fast

560
00:26:17,960 --> 00:26:13,260
yeah the air could start slowing you

561
00:26:20,870 --> 00:26:17,970
down at that one so does that concept

562
00:26:22,280 --> 00:26:20,880
apply when you talk about we'll just

563
00:26:26,330 --> 00:26:22,290

call it the tic-tac this potential

564

00:26:29,660 --> 00:26:26,340

invention moving around if it's creating

565

00:26:33,620 --> 00:26:29,670

its own gravity would there but but yet

566

00:26:35,780 --> 00:26:33,630

it is traveling through air does that

567

00:26:37,640 --> 00:26:35,790

mean there'd be a limit on the speed of

568

00:26:41,090 --> 00:26:37,650

this and that it would be limited by

569

00:26:43,490 --> 00:26:41,100

terminal velocity occasionally I don't

570

00:26:46,040 --> 00:26:43,500

know what's that I don't know off the

571

00:26:48,890 --> 00:26:46,050

top of my head how that gravitational

572

00:26:50,060 --> 00:26:48,900

field interacts with the air

573

00:26:53,750 --> 00:26:50,070

well I guess the other issue to choose

574

00:27:01,600 --> 00:26:53,760

the earth has X amount of gravity what

575

00:27:04,340 --> 00:27:01,610

is that that's G 1 1 G yeah one day so

576

00:27:08,720 --> 00:27:04,350

if something had something had a

577

00:27:14,740 --> 00:27:08,730

thousand G would that cause an object to

578

00:27:19,180 --> 00:27:17,420

yeah with with a greater gravitational

579

00:27:23,390 --> 00:27:19,190

field you will get greater acceleration

580

00:27:26,510 --> 00:27:23,400

okay and higher speeds ultimately mm-hmm

581

00:27:29,570 --> 00:27:26,520

that's why on the moon you know they do

582

00:27:31,010 --> 00:27:29,580

that kangaroo hopping and fall back

583

00:27:33,140 --> 00:27:31,020

slowly because the moon has

584

00:27:36,560 --> 00:27:33,150

substantially less mass it has much

585

00:27:39,380 --> 00:27:36,570

gravitational field so that that's where

586

00:27:43,549 --> 00:27:39,390

you get virtually unlimited speed

587

00:27:50,060 --> 00:27:43,559

potential depending on how many G's you

588

00:27:52,640 --> 00:27:50,070

create with this craft exactly but then

589

00:27:55,160 --> 00:27:52,650

the question arises does that gravity

590

00:27:58,100 --> 00:27:55,170

you're generating ahead of you that's

591

00:28:01,040 --> 00:27:58,110

kind of field how that interacts with

592

00:28:02,750 --> 00:28:01,050

the air because presumably the air right

593

00:28:04,040 --> 00:28:02,760

outside of it's going to be attracted by

594

00:28:08,570 --> 00:28:04,050

that

595

00:28:10,100 --> 00:28:08,580

Aled interacts with other particles all

596

00:28:13,520 --> 00:28:10,110

right let's go back to one let's go back

597

00:28:15,470 --> 00:28:13,530

to one other thing in the letter where

598

00:28:18,980 --> 00:28:15,480

it's where he essentially concludes

599

00:28:21,680 --> 00:28:18,990

China is already investing significantly

600

00:28:25,750 --> 00:28:21,690

in this area and I would prefer we hold

601
00:28:28,400 --> 00:28:25,760
the patent as opposed to paying forever

602
00:28:31,490 --> 00:28:28,410
paying forever more to use this

603
00:28:33,710 --> 00:28:31,500
revolutionary technology is that really

604
00:28:35,480 --> 00:28:33,720
an accurate statement if the US

605
00:28:38,240 --> 00:28:35,490
government has a patent on this can that

606
00:28:43,700 --> 00:28:38,250
can we use that against China and vice

607
00:28:46,100 --> 00:28:43,710
versa well the thing is a US patent is

608
00:28:48,169 --> 00:28:46,110
granted by the US government and it's

609
00:28:51,620 --> 00:28:48,179
only going to apply to activities in the

610
00:28:53,510 --> 00:28:51,630
United States similarly a Chinese patent

611
00:28:58,220 --> 00:28:53,520
is issued by the Chinese government only

612
00:29:00,980 --> 00:28:58,230
applies to activities in China if the

613
00:29:02,780 --> 00:29:00,990

Chinese government wants to enforce a

614

00:29:06,140 --> 00:29:02,790

patent on technology

615

00:29:08,510 --> 00:29:06,150

in the US they have to get a US patent

616

00:29:10,340 --> 00:29:08,520

to it there's various treaties in

617

00:29:13,240 --> 00:29:10,350

operation so that they follow one in

618

00:29:17,570 --> 00:29:13,250

China they could then file one in the US

619

00:29:21,770 --> 00:29:17,580

but ultimately you've got the government

620

00:29:24,530 --> 00:29:21,780

involved and you know if it really

621

00:29:27,140 --> 00:29:24,540

becomes a national security aspect

622

00:29:30,200 --> 00:29:27,150

they're going to just invalidate that

623

00:29:32,720 --> 00:29:30,210

patent if it's really truly important

624

00:29:33,860 --> 00:29:32,730

for national security or they're not

625

00:29:36,890 --> 00:29:33,870

going to grant it in the first place

626
00:29:38,810 --> 00:29:36,900
they'll slap a security risk on it as

627
00:29:45,260 --> 00:29:38,820
soon as it comes in and it will languish

628
00:29:48,820 --> 00:29:45,270
forever so you know if the Chinese have

629
00:29:51,140 --> 00:29:48,830
get a US patent then people in the u.s.

630
00:29:55,250 --> 00:29:51,150
they can enforce it against people in

631
00:29:57,350 --> 00:29:55,260
the US they can't it's not a matter of

632
00:29:59,810 --> 00:29:57,360
paying forever because patents have a

633
00:30:03,650 --> 00:29:59,820
20-year lifetime from data filing so

634
00:30:07,160 --> 00:30:03,660
it's not forever and like I said if it's

635
00:30:09,110 --> 00:30:07,170
truly gets to an important area like

636
00:30:10,430 --> 00:30:09,120
this that would be national security I

637
00:30:12,320 --> 00:30:10,440
don't think the Chinese would ever get a

638
00:30:14,870 --> 00:30:12,330

patent allowed here

639

00:30:17,900 --> 00:30:14,880

so I don't think we'd ever get a patent

640

00:30:19,730 --> 00:30:17,910

allowed in China on it this so this

641

00:30:24,980 --> 00:30:19,740

statement that he makes at the end is

642

00:30:27,200 --> 00:30:24,990

really a naive statements I've been with

643

00:30:30,890 --> 00:30:27,210

the US isn't potentially subject to

644

00:30:32,890 --> 00:30:30,900

paying China for this technology if

645

00:30:36,200 --> 00:30:32,900

China develops it first

646

00:30:40,130 --> 00:30:36,210

yeah and you know in the course of her

647

00:30:42,470 --> 00:30:40,140

normal circumstances I would say yes if

648

00:30:45,110 --> 00:30:42,480

the Chinese got a patent under the US

649

00:30:48,860 --> 00:30:45,120

system people including the US

650

00:30:51,020 --> 00:30:48,870

government would be obligated to pay for

651
00:30:52,790 --> 00:30:51,030
use under the patent however is the

652
00:30:54,620 --> 00:30:52,800
practical aspect when you get to

653
00:30:59,570 --> 00:30:54,630
something like this that is such a

654
00:31:01,520 --> 00:30:59,580
military and security issue the patent

655
00:31:03,920 --> 00:31:01,530
it is overstated because the patent

656
00:31:07,670 --> 00:31:03,930
would never get issued if it's really

657
00:31:09,970 --> 00:31:07,680
valuable yeah I mean there would have to

658
00:31:12,470 --> 00:31:09,980
be actually be a Chinese patent that was

659
00:31:16,100 --> 00:31:12,480
pending that's competing with with this

660
00:31:18,080 --> 00:31:16,110
one which he's not referring to that and

661
00:31:21,049 --> 00:31:18,090
Oh Lord our first file system so

662
00:31:23,720 --> 00:31:21,059
presumably anything the Chinese filed

663
00:31:26,270 --> 00:31:23,730

directly on this now would would be

664

00:31:32,060 --> 00:31:26,280

subject to this patent okay what about

665

00:31:36,020 --> 00:31:32,070

the fact that the Navy itself has video

666

00:31:39,740 --> 00:31:36,030

of something that appears to be what is

667

00:31:43,039 --> 00:31:39,750

being described in this patent and this

668

00:31:45,590 --> 00:31:43,049

this video goes back to 2004 it's my

669

00:31:47,750 --> 00:31:45,600

understanding that you have to file a

670

00:31:50,270 --> 00:31:47,760

patent within X period of time I think

671

00:31:57,110 --> 00:31:50,280

it's a year you can correct me within a

672

00:32:01,100 --> 00:31:57,120

year of discovery that's more or less

673

00:32:06,409 --> 00:32:01,110

right with certain qualifications really

674

00:32:09,200 --> 00:32:06,419

that if you do certain activities if you

675

00:32:12,140 --> 00:32:09,210

publish it if you offer it for sale

676

00:32:16,250 --> 00:32:12,150

etc then you have a year period to get

677

00:32:18,500 --> 00:32:16,260

the patent if you make it you see it

678

00:32:21,740 --> 00:32:18,510

viable and don't do any kind of

679

00:32:23,600 --> 00:32:21,750

commercial activity with it arguably you

680

00:32:25,940 --> 00:32:23,610

could wait longer to file your patents

681

00:32:27,680 --> 00:32:25,950

as long as you don't run any of the art

682

00:32:30,740 --> 00:32:27,690

ordering things like publication or

683

00:32:31,850 --> 00:32:30,750

offer for sale okay hold on I stop you

684

00:32:34,880 --> 00:32:31,860

there because that's that's that's

685

00:32:38,150 --> 00:32:34,890

fascinating so you're saying it's

686

00:32:39,799 --> 00:32:38,160

possible it's I know it's all sounds

687

00:32:42,200 --> 00:32:39,809

crazy but this whole thing is pretty

688

00:32:44,120 --> 00:32:42,210

crazy it's possible that the US Navy

689

00:32:49,159 --> 00:32:44,130

could have been flying them around in

690

00:32:51,740 --> 00:32:49,169

2004 on a test basis and then decides to

691

00:32:53,720 --> 00:32:51,750

patent it in 20 forget when these are

692

00:32:57,470 --> 00:32:53,730

filed 2017 initially something like that

693

00:32:59,750 --> 00:32:57,480

and and theoretically that would be okay

694

00:33:02,240 --> 00:32:59,760

the the the as long as they didn't make

695

00:33:04,700 --> 00:33:02,250

commercial use of it they could be okay

696

00:33:07,760 --> 00:33:04,710

file for something years later they

697

00:33:10,720 --> 00:33:07,770

potentially you know pretty much

698

00:33:13,400 --> 00:33:10,730

qualified as testing it and development

699

00:33:16,430 --> 00:33:13,410

yeah they could look they could late

700

00:33:17,960 --> 00:33:16,440

through 10-15 years do you about of

701

00:33:20,260 --> 00:33:17,970

course you've got an inherent

702

00:33:23,510 --> 00:33:20,270

contradiction because you've got the CTO

703

00:33:28,280 --> 00:33:23,520

saying we're testing this whereas in

704

00:33:29,450 --> 00:33:28,290

2004 they're actually flying it yeah no

705

00:33:31,760 --> 00:33:29,460

I I said

706

00:33:34,190 --> 00:33:31,770

potentially they could have started

707

00:33:36,919 --> 00:33:34,200

testing in 2004 and still be testing and

708

00:33:39,019 --> 00:33:36,929

perfecting it and uh and it filed in the

709

00:33:43,039 --> 00:33:39,029

in-between time because they think at

710

00:33:47,299 --> 00:33:43,049

that point is viable then you do have

711

00:33:48,919 --> 00:33:47,309

the question of a why they filed a

712

00:33:53,230 --> 00:33:48,929

patent you wanted to really want to tell

713

00:33:56,269 --> 00:33:53,240

people what they were doing and B I

714

00:33:57,950 --> 00:33:56,279

didn't you know why didn't they enable

715

00:34:01,279 --> 00:33:57,960

it more so they had a stronger patent

716

00:34:03,919 --> 00:34:01,289

that they were issuing yeah so let's

717

00:34:05,899 --> 00:34:03,929

touch on that first question what what

718

00:34:08,419 --> 00:34:05,909

is your thinking regarding the fact that

719

00:34:10,659 --> 00:34:08,429

the Navy disclosed was willing to openly

720

00:34:14,500 --> 00:34:10,669

disclose all this in this patent and

721

00:34:17,680 --> 00:34:14,510

isn't it correct that you can file a

722

00:34:21,500 --> 00:34:17,690

patent under some type of

723

00:34:25,070 --> 00:34:21,510

confidentiality so that it's not seen by

724

00:34:28,520 --> 00:34:25,080

the public you can file the patent

725

00:34:30,589 --> 00:34:28,530

application under a non publication

726

00:34:33,619 --> 00:34:30,599

request so that the application is not

727

00:34:36,079 --> 00:34:33,629

seen eventually if the patent issues it

728

00:34:37,669 --> 00:34:36,089

gets published and it is seen okay

729

00:34:40,040 --> 00:34:37,679

potential after issue

730

00:34:42,230 --> 00:34:40,050

okay I'd never knew that okay so bottom

731

00:34:45,349 --> 00:34:42,240

line if you want the thing issued it's

732

00:34:48,109 --> 00:34:45,359

going public at that point yeah and

733

00:34:53,079 --> 00:34:48,119

sorry didn't issue do we know did they

734

00:34:55,730 --> 00:34:53,089

apply initially to keep this protected I

735

00:34:57,740 --> 00:34:55,740

did not see that in there but I did not

736

00:34:59,599 --> 00:34:57,750

directly look at the process of teaching

737

00:35:02,839 --> 00:34:59,609

history to see if they requested

738

00:35:06,349 --> 00:35:02,849

non-publication okay so that I know that

739

00:35:08,510 --> 00:35:06,359

that would standardly be granted and it

740

00:35:10,010 --> 00:35:08,520

was published as an application so it

741

00:35:14,630 --> 00:35:10,020

does not appear that they requested it

742

00:35:17,450 --> 00:35:14,640

no that's kind of weird right yeah I

743

00:35:20,030 --> 00:35:17,460

mean the whole thing could be you know

744

00:35:21,589 --> 00:35:20,040

more or less a red herring to redirect

745

00:35:26,180 --> 00:35:21,599

people's attention here while they're

746

00:35:40,970 --> 00:35:26,190

doing something else yeah it has is the

747

00:35:45,100 --> 00:35:40,980

government known to do that again I mean

748

00:35:52,640 --> 00:35:48,070

might that also be an explanation for

749

00:35:57,980 --> 00:35:52,650

how this patent examiner working for the

750

00:36:00,290 --> 00:35:57,990

US Patent Office changes direction in

751
00:36:03,920 --> 00:36:00,300
response to a letter from the CTO from

752
00:36:06,710 --> 00:36:03,930
the Navy where the the letter really

753
00:36:08,030 --> 00:36:06,720
didn't provide any strong basis for for

754
00:36:14,360 --> 00:36:08,040
granting it beyond what was already

755
00:36:17,330 --> 00:36:14,370
submitted yet he turns around it could

756
00:36:22,250 --> 00:36:17,340
be I think from this from the examiner's

757
00:36:24,410 --> 00:36:22,260
standpoint I mean a he may not want to

758
00:36:29,630 --> 00:36:24,420
get in bed with somebody higher up on

759
00:36:31,550 --> 00:36:29,640
the government food chain and he is B if

760
00:36:34,670 --> 00:36:31,560
the government really wants the patent

761
00:36:38,150 --> 00:36:34,680
the issue and you know from his

762
00:36:40,010 --> 00:36:38,160
standpoint if it's not enabled it's

763
00:36:43,310 --> 00:36:40,020

probably never really a problem because

764

00:36:45,140 --> 00:36:43,320

nobody's ever going to do anything under

765

00:36:47,540 --> 00:36:45,150

that under the patent that's going to

766

00:36:50,030 --> 00:36:47,550

cause the patent to be litigated or

767

00:36:52,360 --> 00:36:50,040

anything yeah yes if nobody can make it

768

00:36:54,680 --> 00:36:52,370

can actually make the invention then

769

00:36:57,170 --> 00:36:54,690

nobody can get sued for infringement it

770

00:37:01,000 --> 00:36:57,180

never becomes an issue yeah I mean it

771

00:37:05,180 --> 00:37:01,010

certainly seems like if it was Joe Schmo

772

00:37:08,960 --> 00:37:05,190

creating this in his garage versus the

773

00:37:10,790 --> 00:37:08,970

US Navy backed by a letter from the

774

00:37:12,200 --> 00:37:10,800

chief technology officer of the Navy

775

00:37:15,770 --> 00:37:12,210

talking about the national security

776

00:37:17,420 --> 00:37:15,780

needs of this visa V China that the

777

00:37:18,470 --> 00:37:17,430

Patent Office is going to treat one a

778

00:37:27,170 --> 00:37:18,480

little bit differently than the other

779

00:37:30,020 --> 00:37:27,180

even though it shouldn't so as you look

780

00:37:34,820 --> 00:37:30,030

at this is that kind of where your head

781

00:37:40,130 --> 00:37:34,830

is going on it that this is essentially

782

00:37:42,830 --> 00:37:40,140

disinformation campaign I it could be I

783

00:37:48,370 --> 00:37:42,840

did kind of look up the inventor on it

784

00:37:53,840 --> 00:37:48,380

he has several several other patents so

785

00:37:57,260 --> 00:37:53,850

one also got basically a rejection based

786

00:38:02,870 --> 00:37:57,270

on enabling not being enabling

787

00:38:06,200 --> 00:38:02,880

and did eventually get issued another

788

00:38:10,090 --> 00:38:06,210

one also got a rejection on not being

789

00:38:14,270 --> 00:38:10,100

enabling and was eventually abandoned so

790

00:38:15,830 --> 00:38:14,280

you know so she has a few other patents

791

00:38:18,170 --> 00:38:15,840

I did not see that they got the same

792

00:38:21,140 --> 00:38:18,180

kind of one still pending and hasn't

793

00:38:22,700 --> 00:38:21,150

been examined and I didn't didn't see

794

00:38:25,610 --> 00:38:22,710

anything in the others that kind of went

795

00:38:27,530 --> 00:38:25,620

down the same rabbit hole and one of

796

00:38:33,460 --> 00:38:27,540

them had pertained to this whole room

797

00:38:37,370 --> 00:38:35,690

superconductor conductor was that the

798

00:38:46,430 --> 00:38:37,380

one that was great was that the one that

799

00:38:50,510 --> 00:38:46,440

was granted let me see if I made no to

800

00:38:53,000 --> 00:38:50,520

that real quick that certainly seemed to

801
00:38:54,530 --> 00:38:53,010
be the most interesting of the others I

802
00:38:56,960 --> 00:38:54,540
know there was also a seem to be the

803
00:39:03,140 --> 00:38:56,970
most interesting but I believe that was

804
00:39:06,080 --> 00:39:03,150
the one that was abandoned what it was

805
00:39:08,660 --> 00:39:06,090
and is it your understanding what's the

806
00:39:11,980 --> 00:39:08,670
relationship between that and the

807
00:39:22,000 --> 00:39:11,990
tic-tac craft this this type of

808
00:39:27,170 --> 00:39:25,460
yeah sorry back up a little bit I

809
00:39:32,090 --> 00:39:27,180
believe it was the one on microwave

810
00:39:35,630 --> 00:39:32,100
generation that was granted and and the

811
00:39:39,470 --> 00:39:35,640
one on superconducting was abandoned

812
00:39:42,380 --> 00:39:39,480
after the rejection the microwave

813
00:39:45,650 --> 00:39:42,390

generation falls right into this one as

814

00:39:48,560 --> 00:39:45,660

far as generating the microwaves needed

815

00:39:53,420 --> 00:39:48,570

and the in unfilled for producing this

816

00:39:55,910 --> 00:39:53,430

the superconductor is probably a little

817

00:39:58,160 --> 00:39:55,920

less related but I could certainly see

818

00:40:00,320 --> 00:39:58,170

that it would fit in with trying to make

819

00:40:04,340 --> 00:40:00,330

a system that's going to have very high

820

00:40:07,250 --> 00:40:04,350

yen and bills and stuff in an economical

821

00:40:08,930 --> 00:40:07,260

manner because certainly anything you

822

00:40:11,089 --> 00:40:08,940

can do to get down resistance is going

823

00:40:13,640 --> 00:40:11,099

to make such processes

824

00:40:15,789 --> 00:40:13,650

more economical and more viable mm-hmm

825

00:40:18,469 --> 00:40:15,799

and this whole room-temperature

826

00:40:20,299 --> 00:40:18,479

semiconductor I just read something as I

827

00:40:22,940 --> 00:40:20,309

was preparing that the highest

828

00:40:26,870 --> 00:40:22,950

temperature superconductor was operating

829

00:40:30,259 --> 00:40:26,880

at negative 70 degrees Celsius and that

830

00:40:32,210 --> 00:40:30,269

this would really be revolutionary to be

831

00:40:35,809 --> 00:40:32,220

able to have it more at room temperature

832

00:40:38,630 --> 00:40:35,819

I don't understand that at all so are

833

00:40:39,979 --> 00:40:38,640

you able to explain the significance of

834

00:40:42,640 --> 00:40:39,989

doing something at room temperature

835

00:40:44,779 --> 00:40:42,650

versus negative 70 degrees and how

836

00:40:50,539 --> 00:40:44,789

significant of an invention that would

837

00:40:55,940 --> 00:40:50,549

be for the world oh yeah you know

838

00:40:57,769 --> 00:40:55,950

basically when you get to do a lot of

839

00:41:01,130 --> 00:40:57,779

machinery a lot of equipments when you

840

00:41:06,289 --> 00:41:01,140

get to monorails that float by nm and go

841

00:41:08,029 --> 00:41:06,299

by an e/m pulses you know the limiting

842

00:41:09,829 --> 00:41:08,039

Park in that is the fact that

843

00:41:12,259 --> 00:41:09,839

electricity running through a wire has

844

00:41:13,640 --> 00:41:12,269

resistance kind of like the resistance

845

00:41:16,459 --> 00:41:13,650

of rubber in your hand across the table

846

00:41:19,430 --> 00:41:16,469

it slows it down it dissipates the power

847

00:41:21,799 --> 00:41:19,440

and the energy in there over long

848

00:41:23,900 --> 00:41:21,809

distances when you get to superconductor

849

00:41:25,309 --> 00:41:23,910

you're basically talking something that

850

00:41:27,099 --> 00:41:25,319

doesn't have that resistance so it's

851
00:41:30,109 --> 00:41:27,109
conducting all that electricity without

852
00:41:32,870 --> 00:41:30,119
losing virtually no power so it suddenly

853
00:41:35,539 --> 00:41:32,880
makes everything more efficient it makes

854
00:41:37,759 --> 00:41:35,549
it easier to create those magnets that

855
00:41:42,799 --> 00:41:37,769
are going to lift the monorail and do it

856
00:41:44,989 --> 00:41:42,809
over long distance and so the trouble is

857
00:41:46,940 --> 00:41:44,999
if you have to add it at minus 70 to do

858
00:41:49,549 --> 00:41:46,950
that it's not very practical to keep

859
00:41:51,440 --> 00:41:49,559
whole monorail at minus 70 over a long

860
00:41:53,630 --> 00:41:51,450
distance if you can do it at room

861
00:41:56,539 --> 00:41:53,640
temperature suddenly it becomes much

862
00:41:58,519 --> 00:41:56,549
more practical and then same thing goes

863
00:42:01,579 --> 00:41:58,529

then for a craft that would be flying

864

00:42:04,269 --> 00:42:01,589

like the tic-tac yeah same thing goes

865

00:42:06,289 --> 00:42:04,279

for there you wouldn't have necessarily

866

00:42:09,529 --> 00:42:06,299

long-distance but you get other effects

867

00:42:11,690 --> 00:42:09,539

from superconductors that you can do and

868

00:42:13,670 --> 00:42:11,700

all that is easier when you don't have

869

00:42:15,709 --> 00:42:13,680

to maintain a refrigeration system to

870

00:42:20,959 --> 00:42:15,719

keep it cold so this is kind of a holy

871

00:42:23,120 --> 00:42:20,969

grail of energy production and are we

872

00:42:25,800 --> 00:42:23,130

talking this is this is considered

873

00:42:31,650 --> 00:42:27,270

well superconductor wouldn't be a

874

00:42:34,440 --> 00:42:31,660

nuclear energy nuclear energy Lisa she

875

00:42:38,940 --> 00:42:34,450

was talking nuclear fusion has to do

876

00:42:41,930 --> 00:42:38,950

with basically doing what the Sun does

877

00:42:44,070 --> 00:42:41,940

to generate it's like and heat and

878

00:42:48,630 --> 00:42:44,080

you're doing that in a controlled

879

00:42:51,630 --> 00:42:48,640

environment to do that though the modern

880

00:42:54,990 --> 00:42:51,640

theories would say that you need in EM

881

00:42:57,090 --> 00:42:55,000

fields to be Payne the nuclear reaction

882

00:42:58,650 --> 00:42:57,100

because you're not going to have steel

883

00:43:00,090 --> 00:42:58,660

or other equipment that's going to be

884

00:43:02,820 --> 00:43:00,100

able to contain the heat and the energy

885

00:43:04,740 --> 00:43:02,830

releasing so the idea is that you could

886

00:43:06,270 --> 00:43:04,750

do that with magnetic fields that's

887

00:43:08,160 --> 00:43:06,280

where the superconductors come in

888

00:43:10,860 --> 00:43:08,170

because they could generate the kind of

889

00:43:14,070 --> 00:43:10,870

magnetic fields you need to instigate

890

00:43:16,650 --> 00:43:14,080

the nuclear fusion and again this this

891

00:43:16,950 --> 00:43:16,660

room temperature concept is is the Holy

892

00:43:18,720 --> 00:43:16,960

Grail

893

00:43:23,070 --> 00:43:18,730

is that a good way of putting it and

894

00:43:25,640 --> 00:43:23,080

there's tons of yeah as far as materials

895

00:43:28,500 --> 00:43:25,650

go what you want is a room temperature

896

00:43:31,560 --> 00:43:28,510

superconductor that would get your names

897

00:43:35,660 --> 00:43:31,570

in the books and uh would revolutionize

898

00:43:39,540 --> 00:43:35,670

quite a few things and this guy

899

00:43:40,710 --> 00:43:39,550

Salvatori pace if that's every we're not

900

00:43:44,720 --> 00:43:40,720

sure how to pronounce it either but we

901
00:43:49,680 --> 00:43:44,730
think it's pace does he seem to have the

902
00:43:56,130 --> 00:43:49,690
intellectual chops and background to be

903
00:43:58,050 --> 00:43:56,140
the guy who came up with this I I don't

904
00:44:01,500 --> 00:43:58,060
I don't know I don't know him personally

905
00:44:03,270 --> 00:44:01,510
and I haven't I haven't reviewed his

906
00:44:04,620 --> 00:44:03,280
papers I believe this one patents but I

907
00:44:08,580 --> 00:44:04,630
kind of looked around at the other

908
00:44:10,190 --> 00:44:08,590
patents but you know the trouble with

909
00:44:13,170 --> 00:44:10,200
patents you really want to go to his

910
00:44:16,800 --> 00:44:13,180
technical papers the trouble of patents

911
00:44:20,180 --> 00:44:16,810
is they are usually whatever the dinner

912
00:44:22,800 --> 00:44:20,190
said channeled through a patent attorney

913
00:44:24,900 --> 00:44:22,810

so the patent attorneys drafting this

914

00:44:28,410 --> 00:44:24,910

based on what he's told the inventor

915

00:44:33,680 --> 00:44:28,420

read reviews it so you've got a bit of a

916

00:44:37,140 --> 00:44:33,690

distance there you know he he has values

917

00:44:38,460 --> 00:44:37,150

you know he thought well in there

918

00:44:41,700 --> 00:44:38,470

whether what

919

00:44:43,050 --> 00:44:41,710

it's all accurate I you know that that's

920

00:44:46,020 --> 00:44:43,060

a complete scientific study you don't

921

00:44:48,570 --> 00:44:46,030

have an errand taken so perhaps to kind

922

00:44:54,630 --> 00:44:48,580

of sum it up and then Michael may have a

923

00:44:56,660 --> 00:44:54,640

question for you but to sum it up what

924

00:45:02,010 --> 00:44:56,670

we see in these videos that have been

925

00:45:03,150 --> 00:45:02,020

released from 2004 and 2015 I assume

926

00:45:06,180 --> 00:45:03,160

you've seen some of the videos are

927

00:45:09,540 --> 00:45:06,190

generally aware of them I mean I am I am

928

00:45:13,200 --> 00:45:09,550

correct to say that that is essentially

929

00:45:17,430 --> 00:45:13,210

kind of what is being described by pace

930

00:45:19,230 --> 00:45:17,440

in this patent certainly that would be

931

00:45:23,190 --> 00:45:19,240

one explanation for what what's out

932

00:45:25,680 --> 00:45:23,200

there I mean what's in the videos if it

933

00:45:27,240 --> 00:45:25,690

would be something that this thing that

934

00:45:30,839 --> 00:45:27,250

this kind of craft would be able to

935

00:45:36,320 --> 00:45:30,849

behave like quick turns quick movements

936

00:45:41,370 --> 00:45:39,720

potentially underwater again I would you

937

00:45:43,470 --> 00:45:41,380

know my only question surrounds there is

938

00:45:45,000 --> 00:45:43,480

how the the gravitational building

939

00:45:48,300 --> 00:45:45,010

erupts you know acts with the water

940

00:45:50,130 --> 00:45:48,310

whether you're really truly avoid a

941

00:45:51,270 --> 00:45:50,140

frictional element there still have it

942

00:45:53,790 --> 00:45:51,280

so you might be more limited in

943

00:45:55,730 --> 00:45:53,800

underwater that doesn't necessarily mean

944

00:45:58,260 --> 00:45:55,740

it can't be used underwater but

945

00:46:02,160 --> 00:45:58,270

ultimately where you're going to get the

946

00:46:04,890 --> 00:46:02,170

biggest benefit is out in space thank

947

00:46:06,390 --> 00:46:04,900

you again to Ryan cross thank you to our

948

00:46:08,040 --> 00:46:06,400

producer Michael Parker thank you all

949

00:46:13,350 --> 00:46:08,050

for listening we'll be back next week

950

00:46:18,120 --> 00:46:15,420

thank you for listening at the injured

951

00:46:21,420 --> 00:46:18,130

show with Jim Breslow you can find us at

952

00:46:23,820 --> 00:46:21,430

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953

00:46:26,340 --> 00:46:23,830

Facebook Twitter and Instagram

954

00:46:28,680 --> 00:46:26,350

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