

Title (en)
CONVEYOR DEVICE IN A TUBE

Publication
EP 0295600 B1 19930512 (DE)

Application
EP 88109357 A 19880613

Priority
DE 3720401 A 19870619

Abstract (en)
[origin: EP0295600A2] A conveyor device in a tube, especially a torpedo tube of a submarine, contains a fixed piston rod 21 with a piston 30 fastened to it and a displaceable cylinder 31. The cylinder is guided in a sliding rail 35 and on its other side has a sliding track 34 on which a slide 4 is displaceable. The slide 4 is driven, during a movement of the cylinder 31, by means of a cable pull 5 running over deflecting rollers 51, 52, in such a way that, during a cylinder stroke, the slide 4 additionally moves on the cylinder.

IPC 1-7
F41A 9/44; F41F 3/08

IPC 8 full level
F41A 9/44 (2006.01); **F41F 3/08** (2006.01)

CPC (source: EP)
F41A 9/44 (2013.01); **F41F 3/08** (2013.01)

Citation (examination)
"Technical Draft Torpedo Tube Set IK800" der Krupp Mak Maschinenbau GmbH

Cited by
JP2009512835A; EP1950521A1; DE102008021040A1; DE102009036345A1; DE102009036345A8; DE102008021040B4; WO2007049015A3; WO2019211160A1; WO2016134902A1; WO9104905A1; WO2007049015A2; US7997224B2; EP1950521B1

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