

Title (en)

LINEAR MOTION BRAKE DEVICES.

Title (de)

BREMSVORRICHTUNGEN MIT LINEARER BEWEGUNG.

Title (fr)

DISPOSITIFS DE FREINAGE A MOUVEMENT LINEAIRE.

Publication

**EP 0250452 A4 19880804 (EN)**

Application

**EP 86906117 A 19860919**

Priority

- IE 232285 A 19850920
- IE 79186 A 19860326

Abstract (en)

[origin: WO8701776A1] A lock device capable of supporting a load is given whereby a first threaded member (3) cooperating with a high lead angle second threaded member (12) is provided to control linear movement parallel to the axis of the threaded members. The high lead angle is sufficient to be backdriving or non self-locking. A first brake (14) opposing relative rotation of the threaded components is provided and a second brake (19, 22) having a surface concentric with the axis of the threaded members and contacting at least one threaded member to lock said members to preclude linear movement is also provided. The second threaded member (12) cooperates with the first threaded member (3) to carry the load when the system is locked. An actuator (20) is provided to selectively maintain the second brake in a substantially inoperative mode.

IPC 1-7

**F16F 11/00**

IPC 8 full level

**B66F 3/30** (2006.01); **F15B 15/26** (2006.01); **F15B 15/14** (2006.01)

CPC (source: EP)

**B66F 3/30** (2013.01); **F15B 15/264** (2013.01); **F15B 2015/1495** (2013.01)

Citation (search report)

- [X] US 2831551 A 19580422 - WEAVER IRA A, et al
- [X] CH 546895 A 19740315 - BIERI H AG
- See references of WO 8701776A1

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DOCDB simple family (publication)

**WO 8701776 A1 19870326**; AU 6409086 A 19870407; EP 0250452 A1 19880107; EP 0250452 A4 19880804

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