

Title (en)  
LIFTING DEVICE

Publication  
**EP 0062810 A3 19830622 (DE)**

Application  
**EP 82102547 A 19820326**

Priority  
DE 3115206 A 19810415

Abstract (en)  
[origin: ES8303239A1] A hoist comprises a housing carrying a fixed and slidable sheave set which are engaged by a rope. A piston and cylinder combination are connected to the slidable sheave set for moving it and thus moving a load connected to the rope. The piston has a threaded rod connected to the displaceable sheave set which carries a threaded nut. The axial movement of the nut is restrained by a sleeve which permits rotation of the nut with axial movement of the rod. If the axial movement of the rod accelerates above a selected limit, for example when the load is abruptly removed from the rope, the nut moves against a friction surface in the sleeve to brake the rotation thereof and thus brake the axial movement of the rod.

IPC 1-7  
**B66D 3/18**

IPC 8 full level  
**B66D 3/18** (2006.01)

CPC (source: EP US)  
**B66D 3/18** (2013.01 - EP US)

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Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
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**EP 82102547 A 19820326**; AU 8213682 A 19820330; BR 8202159 A 19820414; CA 400997 A 19820414; CS 260282 A 19820413; DE 3115206 A 19810415; ES 511412 A 19820414; JP 6227182 A 19820414; US 36618882 A 19820407; YU 78482 A 19820408; ZA 822565 A 19820415