

Title (en)  
MOVEMENT DEVICE

Title (de)  
BEWEGUNGSEINRICHTUNG

Title (fr)  
DISPOSITIF DE DEPLACEMENT

Publication  
**EP 1313592 A1 20030528 (EN)**

Application  
**EP 01961025 A 20010817**

Priority  
• IE 0100105 W 20010817  
• IE S20000669 A 20000824

Abstract (en)  
[origin: WO0216074A1] A device for moving an object relative to a surface, for example for pushing a bar in a bar feed mechanism, comprises a piston mounted for reciprocation within a chamber (2), and a piston rod (8) extending from one end of the chamber. Front and rear locking devices (12, 10) respectively associated with the piston rod (8) and chamber (2) are activated alternately in synchronism with the movement of the piston in opposite directions respectively in the chamber (2).

IPC 1-7  
**B23Q 7/16**; F15B 11/12; F16L 55/34; B23Q 7/06

IPC 8 full level  
**B23Q 7/06** (2006.01); **F15B 11/12** (2006.01)

CPC (source: EP US)  
**B23Q 7/06** (2013.01 - EP US); **F15B 11/127** (2013.01 - EP US)

Citation (search report)  
See references of WO 0216074A1

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