

Title (en)  
Slide drive device

Title (de)  
Stösselantriebsvorrichtung

Title (fr)  
Dispositif d'entraînement du coulisseau

Publication  
**EP 2422968 A3 20130424 (EN)**

Application  
**EP 11178640 A 20110824**

Priority  
• JP 2010189093 A 20100826  
• JP 2011066106 A 20110324

Abstract (en)  
[origin: EP2422968A2] A slide drive device implements a high-precision press operation due to a small amount of backlash. The slide drive device is configured so that a slide (90)-side female spherical surface (48) and a connecting rod (20)-side male spherical surface (38) come in contact with each other during press forming so that a press-forming load (Pprs) is transmitted to the connecting rod through the female spherical surface (48) and the male spherical surface (38), and an upper side (52) of a holding member (51) is suspended on a circular member (41) during a period other than a press-forming period so that the female spherical surface (48) and the male spherical surface (38) are separated from each other, and a slide load (Psrđ) is transmitted to the connecting rod (20) through the circular member (41) and a horizontal pin member (45).

IPC 8 full level  
**B30B 1/26** (2006.01); **B30B 15/00** (2006.01); **B30B 15/06** (2006.01)

CPC (source: EP)  
**B30B 1/26** (2013.01); **B30B 15/0035** (2013.01); **B30B 15/068** (2013.01)

Citation (search report)  
• [XYI] JP 2007275904 A 20071025 - SUMITOMO HEAVY IND TECHNO FORT  
• [Y] US 4150618 A 19790424 - CARRIERI LOUIS F [US], et al  
• [X] JP S58170192 U 19831114  
• [A] JP 2008100278 A 20080501 - SUMITOMO HEAVY IND TECHNO FORT  
• [A] JP 2005059063 A 20050310 - MITSUI HIGH TEC

Cited by  
CN107053745A; CN111086253A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

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