

Title (en)
SLIDE LOCK DEVICE FOR MACHINE PRESSES

Title (de)
VERRIEGELUNGSSCHIEBERVORRICHTUNG FÜR EINE MASCHINENPRESSE

Title (fr)
DISPOSITIF DE VERROUILLAGE COULISSANT POUR PRESSES

Publication
EP 2878438 A1 20150603 (EN)

Application
EP 12881543 A 20120724

Priority
JP 2012068674 W 20120724

Abstract (en)
A slide lock device that locks a slide of a machine press includes: a flange member having a flange portion that is fitted and fixed over the exterior of a shaft member; an annular body member that is fixed to a main frame of the machine press and has a facing wall portion that faces the flange portion; a plurality of retaining holes that are formed in the facing wall portion and face the flange portion; a plurality of pin members slidably fitted in each of retaining holes; a plurality of actuators for driving each of the plurality of pin members between an advanced position in which it is advanced towards the flange portion, and a retracted position; and a plurality of arcuate insertion portions formed between a plurality of stopper engagement portions formed at set intervals along the circumferential direction of the flange portion and neighboring stopper engagement portions; and is configured so that, when the plurality of pin members are all driven towards their advanced positions in order to lock the slide, at least one of the pin members is inserted into one of the insertion portions and can stop at least one of the stopper engagement portions.

IPC 8 full level
B30B 15/28 (2006.01)

CPC (source: EP KR)
B30B 15/287 (2013.01 - EP KR)

Cited by
US9789659B2

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

DOCDB simple family (publication)
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BR 112014032039 B1 20220315; CN 104487237 A 20150401; CN 104487237 B 20160706; ES 2638540 T3 20171023; JP 5944002 B2 20160705;
JP WO2014016898 A1 20160707; KR 101947744 B1 20190213; KR 20150036589 A 20150407; WO 2014016898 A1 20140130

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