

Title (en)

QUICK COUPLER FOR CONSTRUCTION MACHINE

Title (de)

SCHNELLKUPPLUNG FÜR BAUMASCHINE

Title (fr)

ATTACHE RAPIDE POUR ENGIN DE CONSTRUCTION

Publication

**EP 3040482 A4 20170419 (EN)**

Application

**EP 13892160 A 20130830**

Priority

KR 2013007851 W 20130830

Abstract (en)

[origin: EP3040482A1] A quick coupler for a construction machine according to the present invention comprises: a main body provided with hook parts respectively protruding from a left side wall and a right side wall in order to support a coupling-clamp pin; a hydraulic cylinder including a large chamber and a small chamber, a wedge fixing member fixed to the inlet of the large chamber and a rod for performing an extension operation and a retraction operation by oil pressure and moving in the opposite direction from the wedge fixing member during the extension operation; a first wedge fixed to the outside end portion of the wedge fixing member and coupled to or released from the coupling-clamp pin by the movement of the hydraulic cylinder; a second wedge provided with a guide protruding from a body part and fixed to the outside end portion of the rod so as to be coupled to or released from the coupling-clamp pin by moving in the opposite direction from the first wedge; and a stopper provided between the hydraulic cylinder and the second wedge and setting a coupling-releasing position in the main body so as to restrain the movement of the hydraulic cylinder and the second wedge.

IPC 8 full level

**E02F 3/96** (2006.01); **E02F 3/38** (2006.01)

CPC (source: EP)

**E02F 3/3627** (2013.01); **E02F 3/364** (2013.01)

Citation (search report)

- [X] WO 2006083172 A1 20060810 - GJERSTAD MEK IND AS [NO], et al
- [X] GB 2492850 A 20130116 - MONAGHAN CONOR [IE]
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- [A] EP 2362024 A2 20110831 - VIBY ATTACHMENT WORLDWIDE AS [DK]
- See references of WO 2015030282A1

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US11421394B2

Designated contracting state (EPC)

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