

Title (en)  
Connection apparatus for interconnecting an arm and a tool of a work machine

Title (de)  
Vorrichtung für die Kupplung zwischen Arm und Werkzeug einer Arbeitsmaschine

Title (fr)  
Appareil pour le raccordement entre le bras et l'outil d'un engin de travail

Publication  
**EP 2824243 A1 20150114 (EN)**

Application  
**EP 14175847 A 20140704**

Priority  
IT BO20130357 A 20130710

Abstract (en)  
A quick coupling (250) for a tool (U) connectable to an arm of a heavy machine. The quick coupling (250) comprises a main body (252), substantially box-shaped, provided with an inner compartment (253) containing an actuator device (275) of at least one bolt element (270) adapted to engage with a complementary element (102) provided on an adapter (100) integral with the tool (U). The quick coupling (250) is characterized in that the bolt element (270) is shaped so as to receive therein a double-acting hydraulic actuation system (275) adapted to move this bolt element (270) forward from a retracted disengaged position to an extended position engaged with an element (102) of the adapter (100), so that the thrust exerted by the hydraulic actuation system (275) has an operating axis substantially coincident with a longitudinal axis (X) of the bolt element (270).

IPC 8 full level  
**E02F 3/36** (2006.01); **F16B 19/12** (2006.01)

CPC (source: EP)  
**E02F 3/3622** (2013.01); **E02F 3/3627** (2013.01); **E02F 3/364** (2013.01); **E02F 3/365** (2013.01); **E02F 3/3663** (2013.01)

Citation (search report)

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Designated extension state (EPC)  
BA ME

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DOCDB simple family (application)  
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