

Title (en)

Quick-change device with an active tensioning support for coupling a tool to a work machine

Title (de)

Schnellwechsellvorrichtung mit einer aktiven Verspannstütze zum Ankuppeln eines Werkzeugs an eine Arbeitsmaschine

Title (fr)

Dispositif de changement rapide doté d'un support de serrage actif pour l'accouplement d'un outil sur une machine de travail

Publication

EP 2378006 B1 20161214 (DE)

Application

EP 11161157 A 20110405

Priority

DE 102010016491 A 20100416

Abstract (en)

[origin: EP2378006A1] The quick-change device has a quick release fastened to a work machine, an adapter fastened to a tool and a locking device arranged between the quick release and the adapter. The locking device is provided for forming a mechanical clutch between work machine and tool. The quick release-side coupling assembly (20a) or the adapter-side coupling assembly (20b) in one of its hydraulic lines (22a,24a,22b,24b,26b) has a bracing support (34) designed as hollow body and arranged in direction of flow observed downstream from the coupling valves (28a,30a,32a,28b,30b,32b).

IPC 8 full level

E02F 3/36 (2006.01); **F16L 37/62** (2006.01)

CPC (source: EP)

E02F 3/3654 (2013.01); **E02F 3/3663** (2013.01)

Cited by

EP3722513A1; CN113653123A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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