

Title (en)
Quick coupling device

Title (de)
Schnellwechsellvorrichtung

Title (fr)
Dispositif d'attache rapide

Publication
EP 0569026 B1 19970312 (DE)

Application
EP 93107458 A 19930507

Priority
DE 4214569 A 19920508

Abstract (en)
[origin: EP0569026A1] Quick-coupling device for earthmoving vehicles for exchanging implements which are detachably connected to an adaptor pivotable on the boom of the earthmoving machine about a horizontal axis, the adaptor having fixed and displaceably mounted coupling members (36) to which fixed coupling members (16) on the implement are allocated, and the displaceably mounted coupling members (36) of the adaptor being locking bolts having coupling surfaces with tapered circumferences, to which coupling members having tapered circumferences on the implement are allocated, which are designed so as to be load-bearing merely over an area of 180 DEG with the corresponding tapered circumferences of the allocated fixed coupling members (16) of the implement. <IMAGE>

IPC 1-7
E02F 3/36

IPC 8 full level
E02F 3/36 (2006.01)

CPC (source: EP US)
E02F 3/3613 (2013.01 - EP US); **E02F 3/3627** (2013.01 - EP US); **E02F 3/364** (2013.01 - EP US); **Y10T 403/60** (2015.01 - EP US); **Y10T 403/602** (2015.01 - EP US)

Cited by
DE102004014824B4; EP1749939A1; WO2005093171A1; GB2286382A; GB2259293B; DE102006023420B4; AU2016275627B2; DE102005037105B3; DE102005037105C5; DE202008015191U1; US10934680B2; WO2005093172A1; WO2007131800A1; DE102010034738A1; WO9425689A1; WO2016198638A1; EP1365073A1

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EP 0569026 A1 19931110; EP 0569026 B1 19970312; AT E150121 T1 19970315; CA 2076441 A1 19931109; CA 2076441 C 20041116; DE 4214569 C1 19931216; DE 4214569 C2 20011220; DE 59305686 D1 19970417; ES 2102548 T3 19970801; NO 179591 B 19960729; NO 179591 C 19961106; NO 931626 D0 19930505; NO 931626 L 19931109; US 5333695 A 19940802

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