

Title (en)

Quick coupling device for earthmoving machines

Title (de)

Schnellkupplungsvorrichtung für Erdbewegungsmaschine

Title (fr)

Dispositif d'attache rapide pour équipement d'engin de génie civil et de manutention

Publication

EP 0594486 B1 19970115 (FR)

Application

EP 93402546 A 19931015

Priority

FR 9212763 A 19921023

Abstract (en)

[origin: EP0594486A1] The invention relates to a quick coupling device for equipping civil engineering works machinery. The equipment is mounted on a clevis (5) articulated at the end of an arm, by a rotation spindle (6) defining the centre of gyration of the equipment and an operating rod. The clevis is formed of two parallel flanges (9) each exhibiting a semicircular recess (12) forming a hook intended to engage with a boss (2) of the equipment, and a bolt (18) opposite the hooks coming into engagement in a locking tab (19) carried by the equipment; it includes, on the opposite side from the hook, a first surface element (14) coming to bear on a second plane surface element (14') carried by the equipment, the said surface elements being inclined towards the equipment, and the lock is a finger (20), the end of which has two chamfers, a lower one (23) for clipping the lock into the locking tab, and the other, an upper one (24), intended to participate in taking up play. <IMAGE>

IPC 1-7

E02F 3/36

IPC 8 full level

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CPC (source: EP)

E02F 3/3627 (2013.01); **E02F 3/364** (2013.01); **E02F 3/3645** (2013.01)

Cited by

AT2322U3; EP2363536A3; US6629811B1; FR3014125A1; EP1033447A3; EP2107166A3; EP2241680A1; FR2944533A1; WO2008111917A1; WO2008138932A3; WO2008000097A1; US6688801B2

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