

Title (en)

Quick-coupling for connecting implements to an excavator

Title (de)

Schnellkupplung zum Befestigen der Arbeitswerkzeuge an einem Baggerausleger

Title (fr)

Accouplement rapide pour la fixation d'un outil à une excavatrice

Publication

EP 0704577 B1 20000209 (FR)

Application

EP 95401790 A 19950728

Priority

- FR 9411631 A 19940929
- FR 9506566 A 19950602

Abstract (en)

[origin: EP0704577A1] The coupling consists of a cradle (4) on the end of the arm (1), designed to receive an axle or pivots (11) on the tool (2), and stops (12,13) on the arm and tool which engage when the tool is in position. One of the stops (12) has a concave contact surface and the other (13) a convex one, with both surfaces forming a portion of a cylinder lying coaxially with the axle or pivots (11). When the tool is picked up by the end of the arm axle or pivots engage with the cradle but the stops are separate from one another. A locking member (3) is then closed over the tool by levers (8,9) operated by a power cylinder rod (10), and the stops engage, fixing the tool in place.

IPC 1-7

E02F 3/36

IPC 8 full level

E02F 3/36 (2006.01)

CPC (source: EP)

E02F 3/3613 (2013.01); **E02F 3/364** (2013.01)

Cited by

FR2760029A1; EP0810330A1; FR2749332A1; US7752781B2; WO2007059721A1

Designated contracting state (EPC)

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