

Title (en)
Quick coupling device for an excavator.

Title (de)
Schnellwechsellvorrichtung für einen Bagger.

Title (fr)
Dispositif d'accouplement rapide pour excavateur.

Publication
EP 0448788 B1 19941109 (DE)

Application
EP 90122462 A 19901126

Priority
DE 4010224 A 19900330

Abstract (en)
[origin: EP0448788A1] The quick coupling device for an excavator for exchanging working implements is detachably fastened to an adaptor (3) of an articulated arm via locking elements (6) and is held on the articulated arm in such a way as to be pivotable about a horizontal axis. The locking elements consist of pistons which are arranged coaxially in a housing (9) and have end locking pins (12, 13) which can be shifted into an extended working position via an interposed compression spring (14) and into a retracted inoperative position inside the adaptor via the application of pressure controlled by a control unit. This design of the device ensures that the locking pins in the working position are under the stress of the compression spring. <IMAGE>

IPC 1-7
E02F 3/36

IPC 8 full level
E02F 3/36 (2006.01); **E02F 3/40** (2006.01)

CPC (source: EP US)
E02F 3/3627 (2013.01 - EP US); **E02F 3/3631** (2013.01 - EP US); **E02F 3/3663** (2013.01 - EP US)

Cited by
FR3019197A1; DE4417401A1; EP1672126A3; DE19963691C2; CN115262670A; FR2900170A1; EP1057941A3; EP0615023A1; FR2702526A1; WO9853152A1

Designated contracting state (EPC)
AT DE GB SE

DOCDB simple family (publication)
EP 0448788 A1 19911002; EP 0448788 B1 19941109; AT E114010 T1 19941115; DE 4010224 A1 19911002; DE 4010224 C2 19940519; DE 59007696 D1 19941215; JP H04222724 A 19920812; NO 302249 B1 19980209; NO 911268 D0 19910327; NO 911268 L 19911001; US 5125788 A 19920630

DOCDB simple family (application)
EP 90122462 A 19901126; AT 90122462 T 19901126; DE 4010224 A 19900330; DE 59007696 T 19901126; JP 6332991 A 19910327; NO 911268 A 19910327; US 67626891 A 19910325