

Title (en)
Coupler with attachment pin detection

Title (de)
Koppler mit Befestigungsstifterkennung

Title (fr)
Coupleur avec détection de broche de fixation

Publication
EP 2803768 A3 20150422 (EN)

Application
EP 14167431 A 20140507

Priority
GB 201308490 A 20130512

Abstract (en)
[origin: EP2803768A2] A coupler (10) for coupling an attachment to an excavator, the coupler including a pin detection system for detecting the presence of a attachment pin (126) against a pin-engaging surface (154) in its pin-receiving recess (160), and means for indicating to an operator that the pin has been detected. The pin detection system comprises a contact member (152) that is movable between a rest state and a displaced state. The system allows the operator to determine that the pin is correctly located in the recess before activating a latch to hold the pin.

IPC 8 full level
E02F 3/36 (2006.01); **E02F 9/24** (2006.01); **E02F 9/26** (2006.01)

CPC (source: EP GB)
E02F 3/3618 (2013.01 - EP); **E02F 3/3622** (2013.01 - EP GB); **E02F 3/3663** (2013.01 - EP); **E02F 9/24** (2013.01 - EP GB);
E02F 9/26 (2013.01 - EP GB)

Citation (search report)
• [X] WO 2010061165 A1 20100603 - MILLER INT LTD [GB], et al
• [X] WO 2012156672 A1 20121122 - SHADOWFICTION LTD [GB], et al

Cited by
EP3258016A3; US10895057B2; US11464312B2; WO2020002323A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2803768 A2 20141119; **EP 2803768 A3 20150422**; AU 2014202562 A1 20141127; GB 201308490 D0 20130619; GB 2514104 A 20141119;
GB 2514104 B 20160316

DOCDB simple family (application)
EP 14167431 A 20140507; AU 2014202562 A 20140512; GB 201308490 A 20130512