

Title (en)

Device for connecting a tool to a driving means of a working machine

Title (de)

Vorrichtung zur Verbindung eines Werkzeugs mit einem Antriebsmittel einer Arbeitsmaschine

Title (fr)

Dispositif pour raccorder un outil à un moyen de commande d'une machine de travail

Publication

EP 1900880 A2 20080319 (EN)

Application

EP 07116263 A 20070912

Priority

IT BO20060631 A 20060912

Abstract (en)

Device for connecting a tool (T) to a driving means (A) of a working machine; said device comprising a first member (2) and a second member (3), fit to be fixed to the tool (T) and to the driving means (A), and provided with hooking means (4,5) for the mutual removable hooking; one of said members (3,2) being furthermore provided with at least a bolt means (6) fixed to a moving means (9) sliding in this latter member (3,2) between an internal condition and an external condition of the at least one bolt means (6) in which this latter can engage, in a hooking and approaching condition between the members (2,3), at least a seat (7) of a matching means (8) of the other member (2,3) to carry out, cooperating with the hooking means (4,5), the connecting condition (C) between the tool and the driving means; the device (1) comprising furthermore elastic means (11) acting on the moving means (9) in direction of the external condition of the at least one bolt means (6) and one blocking means (10) fit to carry out a removable stop condition of the moving means (9) at least in the internal condition Said device (1) comprises a mobile feeler means (12), associated to one of the members (3,2), turned toward the matching means (8) at least in conditions next to the approaching condition, and acting on the blocking means (10); said feeler means (12) being driven, at least in proximity of the condition of the approaching condition of the members, from its matching with the matching means (8) to act on the blocking means (10) to unblock the moving means (9) allowing the elastic means (11) to translate said moving mean (9) and the at least one bolt means (6) engaging this latter in the at least one seat (7) carrying out the connecting condition (C).

IPC 8 full level

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CPC (source: EP)

E02F 3/3627 (2013.01); **E02F 3/365** (2013.01)

Cited by

DE102014019967B3; DE102010017179A1; DE102018115249A1; ITTO20100312A1; FR2944534A1; ITBO20130357A1; EP2824243A1; EP3312350A1; US10352020B2; EP2990538A1; EP3141662A1; ITUB20152632A1; EP2832931A1; WO2020218923A1; WO2023200391A1; WO2015024981A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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