

Title (en)

An attachment organ for coupling a tool to an operating arm with a safety block

Title (de)

Eine Vorrichtung zur Kupplung eines Werkzeuges an einem Arbeitsarm mit einem Sicherheitsblock

Title (fr)

Un appareil pour l'accouplage d'un outil a un bras de travail avec un bloc de sécurité

Publication

EP 2119834 B1 20160706 (EN)

Application

EP 09159504 A 20090506

Priority

IT MO20080143 A 20080515

Abstract (en)

[origin: EP2119834A2] An attachment organ (1) for coupling a tool (100) to an operating arm (110), comprising: a frame (9), which exhibits a first transversal seating (2) and a second transversal seating (3) which are respectively predisposed for housing a first attachment pin (101) and a second attachment pin (102) of the tool (100); a locking hook (4) which is mobile with respect to the frame (9) and means for moving (10) the locking hook (4), the locking hook (4) being predisposed for closing on the first seating (2), exerting via a contact surface (4a) of the hook (4) a blocking action on the first attachment pin (101) housed internally of the first seating (2) which maintains the second attachment pin (102) blocked against a bottom surface (3a) of the second seating (3) situated opposite to the contact surface (4a) of the locking hook (4). The organ further comprises a safety block (5) predisposed to prevent a disengagement of the second attachment pin (102) from the second seating (3) in a case in which the blocking action exerted by the blocking pin (4) ceases to be active. [Fig. 2]

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CPC (source: EP)

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Cited by

EP3851588A1; EP4159928A1; JP2016166508A; JP2016166509A; GB2497965A; GB2473630A; GB2473630B; GB2467380A; GB2467383A; GB2467380B; GB2467383B; EP3502357A1; DE102017130439A1; GB2479221A; GB2479221B; CH710006A1; DE102018105049A1; ITVR20110041A1; EP2466015A4; US8112914B2; US8690515B2; US11976435B2; WO2011033253A1; DE102020100991A1

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