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(54) Device with safety block for connecting a tool to an operating means

(57) A device with safety block for connecting a tool (T) to an operating means (A) includes a first member (2) and a second member (3) fit to be fixed one to the tool (T) and the other to the operating means (A).

Said members (3, 2) have respective hooking means (4, 5) for the reciprocal removable hooking. One of said members (3, 2) is furthermore provided with at least one latch means (6) sliding therein (3, 2) between an internal condition (I) and a protruding condition (E) in which the at least one latch means (6) can engage at least one seat (7) of a matching means (8) of the other member (2, 3) for carrying out, cooperating with the hooking means (4, 5), the connecting condition (C) between the tool and the operating means.

The member (3, 2) that is provided with at least one latch means (6) includes moreover elastic means (11) acting on the at least one latch means (6) in the direction of protruding condition (E) and includes safety locking means (40) for carrying out at least one stop condition of the at least one latch means (6) in the connecting condition (C).

The locking means (40) include an oscillating body (41), pivotally connected to a fixed part of the respective member (3, 2), and having at least one cam surface (42) and at least one blocking seat (43) and an unlocking seat (44).

The at least one latch means (6) is rigidly connected to a sliding mean (45) actuated by the cam surface (42), between the locking (43) and unlocking (44) seats following the rotation of the oscillating body (41) for moving,

with contrast of elastic means (11), the at least one latch means (6) from the protruding condition (E) to the internal condition (I) and vice-versa.

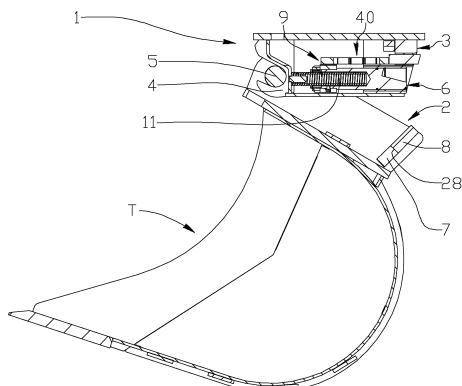


FIG.2



EUROPEAN SEARCH REPORT

Application Number
EP 08 16 7866

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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
1	Place of search	Date of completion of the search	Examiner
	Munich	19 August 2013	Laurer, Michael
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

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