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(54) **Plug connector with secondary locking**

(57) The present invention relates to a plug connector (1) with a secondary locking device (8) which has a leg (10) to fix a locking arm (5) of the plug connector (1) in the final locked position in a socket (16). The leg (10) has a locking arm (12) with a step (13) which is supported on a locking projection (15) formed on the housing (2) of the plug connector (1) and which holds the secondary locking device (8) in a pre-locked position. The secondary

locking device (8) has further at least one spring arm (12) with a step (13) and a projection (14) which is arranged symmetrically to the longitudinal axis of the plug connector (1) and where during the process of insertion of the plug connector (1) into the socket (16) the spring arm (12) is deflected by the locking projections (14) in such a way that the step (13) of the spring arm (12) is lifted from the locking projections (15) and the secondary locking device (8) is released.

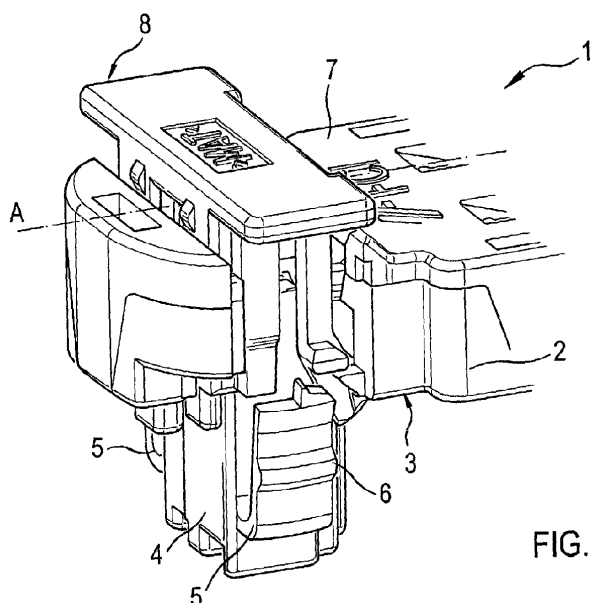


FIG.1



EUROPEAN SEARCH REPORT

Application Number
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Place of search The Hague		Date of completion of the search 29 June 2010	Examiner Criqui, Jean-Jacques
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>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</p>			

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