

Title (en)  
Screw-type sleeve for pre-centering

Title (de)  
Schraubhülse zur Vorzentrierung

Title (fr)  
Manchon à vis pour précentreage

Publication  
**EP 0849465 B1 20030910 (DE)**

Application  
**EP 97115780 A 19970911**

Priority  
DE 19652748 A 19961218

Abstract (en)  
[origin: DE19652748C1] The screw socket (13) at its end (15) facing the cylinder head (9) has a pre-centre section (17). This section accommodates a bolt (7). Between the pre-centre section and a screw socket central section (21) a threaded section (19) is provided. The length of the threaded section is greater than or equal to the length of the pre-centre section. The screw socket in the transition area between the pre-centre section and the threaded section has a ring-shaped shoulder. The hole (11) of the suction unit has a ring-shaped narrowing or individual burls, on which the ring-shaped shoulder of the screw socket supports, enabling the screw socket to be pushed back on fitment of the bolt.

IPC 1-7  
**F02M 35/10**

IPC 8 full level  
**F02B 27/00** (2006.01); **F02M 35/104** (2006.01); **F02F 1/42** (2006.01); **F02M 35/10** (2006.01)

CPC (source: EP)  
**F02F 1/4235** (2013.01); **F02M 35/10078** (2013.01); **F02F 2007/0063** (2013.01); **F02M 35/10321** (2013.01)

Designated contracting state (EPC)  
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DE 19652748 C1 19971218; DE 59710729 D1 20031016; HU 221291 B1 20020928; HU 9702483 D0 19980302; HU P9702483 A2 19991129;  
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