

Title (en)  
Bolt boss of a piston

Title (de)  
Bolzennabe eines Kolbens

Title (fr)  
Bossage d'axe d'un piston

Publication  
**EP 2053228 A3 20141210 (DE)**

Application  
**EP 08017698 A 20081009**

Priority  
DE 102007050516 A 20071023

Abstract (en)  
[origin: EP2053228A2] The piston (1) has two diametrically opposite pin bosses (6) in a piston shaft (5), and pin boss holes (7) for accommodating a piston pin (9). A piston rod (8) is connected with the piston in an articulated manner using the piston pin. The pin bosses have a molded recess (14) in an upper region facing a piston head (2). The recess partially extends a crown line (15) of the pin boss holes towards a piston rod support (12), where the recess increases a supporting surface (13) of the piston pin. The recess runs at a distance to an envelope that defines displacement of the piston rod.

IPC 8 full level  
**F02F 3/00** (2006.01); **F16J 1/02** (2006.01)

CPC (source: EP)  
**F02F 3/00** (2013.01)

Citation (search report)

- [X] EP 0270139 A1 19880608 - KOLBENSCHMIDT AG [DE]
- [A] EP 0182034 A1 19860528 - TOYOTA MOTOR CO LTD [JP]
- [A] DE 19837596 C1 20000105 - KS KOLBENSCHMIDT GMBH [DE]
- [A] JP S56167831 A 19811223 - YANMAR DIESEL ENGINE CO

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2053228 A2 20090429; EP 2053228 A3 20141210; DE 102008051089 A1 20090430**

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