

Title (en)

ARRANGEMENT OF AN AUXILIARY APPARATUS BY MEANS OF A BOLT JOINT OF A HIGHLY LOADED MACHINE PART, ESPECIALLY AT AN INTERNAL-COMBUSTION ENGINE

Publication

EP 0255707 A3 19890208 (DE)

Application

EP 87111089 A 19870731

Priority

DE 3626530 A 19860805

Abstract (en)

[origin: EP0255707A2] 1. An arrangement of an auxiliary apparatus in connection with the bolt joint of a highly-loaded machine part, in particular in internal combustion engines, wherein the bolt joint (screw bolts 18, 19) serves for the direct attachment of the machine part on the machine side (bearing cover 14), characterised in that the bolt joint has stop faces (22) arranged facing away from the engine for the auxiliary apparatus (lubricating oil pump 23), against which the auxiliary apparatus is arranged so as to be clamped separately on the bolt joint by means of further screw arrangements (threaded bolt 25 with nut 28 ; tapped blind bore 27 with holding bolt 37).

IPC 1-7

F01M 1/02; **F02F 7/00**

IPC 8 full level

F01M 1/02 (2006.01); **F02B 67/00** (2006.01); **F16B 35/06** (2006.01)

CPC (source: EP)

F01M 1/02 (2013.01)

Citation (search report)

- [A] US 3057434 A 19621009 - HANLEY GEORGE P
- [A] DE 538769 C 19311125 - BBC BROWN BOVERI & CIE
- [A] GB 315182 A 19290711 - ALBERT GODENIR
- [AD] US 1667728 A 19280501 - OF WAUKESHA JAMES B FISHER
- [A] GB 190910877 A 19090923 - DION ALBERT DE [FR], et al

Cited by

DE4136033A1; EP1283346A3; DE10139045B4; EP1283346A2; WO9966176A1; EP0255705B1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0255707 A2 19880210; **EP 0255707 A3 19890208**; **EP 0255707 B1 19900822**; DE 3626530 C1 19880218; DE 3764428 D1 19900927

DOCDB simple family (application)

EP 87111089 A 19870731; DE 3626530 A 19860805; DE 3764428 T 19870731