

Title (en)
MONOBLOC INJECTION PUMP AND NOZZLE AND FASTENING DEVICE

Publication
EP 0369151 B1 19930407 (DE)

Application
EP 89118437 A 19891004

Priority
DE 8814249 U 19881114

Abstract (en)
[origin: EP0369151A1] In order to fasten a monobloc injection pump (2) comprising a pump housing (5) and a head housing (13) on a stepped bore (6) of the cylinder head (1) in such a way that leakage points, which can arise between the pump housing (5) and the head housing (13) when the monobloc injection pump (2) is clamped down, are avoided, it is proposed that the head housing (13) have projections (20) on two opposite sides, on which clamp clips (22) pulled downwards by a clamp bolt (24) rest, the end parts (23) of the clamp clips (22) resting on the projections (20) of two adjacent monobloc injection pumps (2, 3) in each case. <IMAGE>

IPC 1-7
F02M 39/00; **F02M 57/02**; **F02M 61/14**

IPC 8 full level
F02M 39/00 (2006.01); **F02M 57/02** (2006.01); **F02M 61/14** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP US)
F02M 39/00 (2013.01 - EP US); **F02B 3/06** (2013.01 - EP)

Cited by
US5697345A; US5706786A; DE4222081A1; DE4222081C2

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0369151 A1 19900523; **EP 0369151 B1 19930407**; AT E87995 T1 19930415; DE 58904013 D1 19930513; DE 8814249 U1 19890119

DOCDB simple family (application)
EP 89118437 A 19891004; AT 89118437 T 19891004; DE 58904013 T 19891004; DE 8814249 U 19881114