

Title (en)
PUMP UNIT FOR CRYOGENIC FLUIDS

Publication
EP 0185943 B1 19901003 (DE)

Application
EP 85114879 A 19851123

Priority
CH 588684 A 19841211

Abstract (en)
[origin: EP0185943A2] 1. A pump unit for cryogenic media with a high pressure piston pump of which the cylinder (50, 500) is connected integrally to a flange (40, 400), characterised in that this flange is constructed as a distributor block (40, 400) in which there are arranged recesses in which at least one high pressure nonreturn valve (7) and one low pressure vent valve (340) are fitted, while bores or channels arranged in the distributor block lead to connecting means (48) disposed externally on the distributor block, more specifically at least one connecting means (48) on which a low pressure safety valve (5) is directly mounted, also a connecting means on which a high pressure air chamber (9) with safety valve (8) is directly mounted, and in that further connecting means arranged externally on the distributor block are used for a high pressure line and a vapour return line.

IPC 1-7
F04B 15/08; **F04B 21/00**; **F04B 21/02**

IPC 8 full level
F04B 15/08 (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP)
F04B 15/08 (2013.01); **F04B 53/1035** (2013.01)

Cited by
MD4409C1; WO2007076917A1

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

DOCDB simple family (publication)
EP 0185943 A2 19860702; **EP 0185943 A3 19890329**; **EP 0185943 B1 19901003**; AT E57239 T1 19901015; DE 3580011 D1 19901108

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EP 85114879 A 19851123; AT 85114879 T 19851123; DE 3580011 T 19851123