

Title (en)

POSITIVE DISPLACEMENT PUMP WITH FRANGIBLE PRESSURE RELIEF DISC ASSEMBLY

Publication

EP 0159373 B1 19870812 (EN)

Application

EP 84104531 A 19840421

Priority

EP 84104531 A 19840421

Abstract (en)

[origin: EP0159373A1] A frangible pressure relief disc assembly is disclosed which is adapted to fit into a positive displacement pump on the suction side of each cylinder. The disc assembly (1) provides a pressure relief when the fluid passing through the pump encounters a closed valve or other obstruction in the line. The disc assembly (1) comprises: (a) a support member (2) having a first side and second side which is penetrated by a passage (5) (e.g., a bore) providing fluid communication from the first side to the second side, and (b) a pressure frangible disc (3) fixedly attached to the support member (2) and positioned to form a fluid-tight seal covering the passage.

IPC 1-7

F04B 21/00; F04B 21/02; F16K 17/16

IPC 8 full level

F04B 53/10 (2006.01)

CPC (source: EP)

F04B 53/102 (2013.01); **F04B 53/1025** (2013.01)

Cited by

EP0478933A1; EP0254450A3; GB2328729A; GB2328729B; WO2020006167A1; WO2008125540A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0159373 A1 19851030; **EP 0159373 B1 19870812**; DE 3465365 D1 19870917

DOCDB simple family (application)

EP 84104531 A 19840421; DE 3465365 T 19840421