

Title (en)  
POSITIVE DISPLACEMENT PUMP WITH FRANGIBLE PRESSURE RELIEF DISC ASSEMBLY

Publication  
**EP 0159373 B1 19870812 (EN)**

Application  
**EP 84104531 A 19840421**

Priority  
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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  
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CPC (source: EP)  
**F04B 53/102** (2013.01); **F04B 53/1025** (2013.01)

Cited by  
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