

Title (en)

SAFETY RELIEF VALVE USEFUL IN AN OIL FILTER

Title (de)

SICHERHEITSVENTIL VERWENDBAR IN EINEM ÖLFILTER

Title (fr)

SOUPAPE DE SURETE UTILISEE DANS UN FILTRE A HUILE

Publication

EP 0902717 A1 19990324 (EN)

Application

EP 97925577 A 19970523

Priority

- US 9708218 W 19970523
- US 65222696 A 19960523
- US 71213096 A 19960911

Abstract (en)

[origin: WO9744113A1] An assembly includes at least one inlet port (36), at least one normal outlet port (31), at least one bypass port (30) and a safety relief valve system for regulating fluid flow from the inlet port to the bypass port. The valve system includes a compressible component (126) disposed adjacent to the bypass port. The valve system has a closed position wherein the compressible component prevents fluid flow through the bypass port. The valve system further includes an open position wherein the compressible component allows fluid flow through the bypass port when the inlet port is pressurized and the pressure differential between the inlet port and the normal outlet port is greater than or equal to a predetermined value. The assembly can be a fluid filter assembly. The present invention is also directed to a method for regulating fluid flow in an assembly by providing the previously described safety relief valve system and introducing fluid into the assembly.

IPC 1-7

B01D 35/147

IPC 8 full level

B01D 27/07 (2006.01); **B01D 29/05** (2006.01); **B01D 35/147** (2006.01)

CPC (source: EP)

B01D 27/07 (2013.01); **B01D 27/103** (2013.01); **B01D 27/148** (2013.01); **B01D 29/055** (2013.01); **B01D 29/072** (2013.01); **B01D 29/58** (2013.01); **B01D 29/96** (2013.01); **B01D 35/147** (2013.01)

Citation (search report)

See references of WO 9744113A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9744113 A1 19971127; AU 3067497 A 19971209; EP 0902717 A1 19990324; TW 358846 B 19990521

DOCDB simple family (application)

US 9708218 W 19970523; AU 3067497 A 19970523; EP 97925577 A 19970523; TW 86106881 A 19970522