

Title (en)  
Pressure safety block for high pressure cleaning apparatus

Title (de)  
Regelsicherheitsblock für Hochdruck-Reinigungsgeräten

Title (fr)  
Bloc de sûreté de pression pour un nettoyeur à haute pression

Publication  
**EP 1020643 B1 20040804 (DE)**

Application  
**EP 99125456 A 19991221**

Priority  
DE 29900463 U 19990114

Abstract (en)  
[origin: EP1020643A2] In a hole of the control device between suction and pressure side of the high pressure pump a changeover valve is fitted, which when a specific pre-set pressure is exceeded causes a feedback of at least one part of the cleaning medium activated by high pressure to the suction conduit of the high pressure pump. The regulating unit (2) has at least two component parts with proportional characteristic values for pressure regulation. At least one switch unit for pressure-dependent temperature regulation of the cleaning medium is so arranged with at least one switch position along a displaceably arranged axis so that at least one switch arm reaches as far as the corresponding switch mechanism in order to operate it. The regulating component parts are formed as springs (33,35) with proportional spring constants.

IPC 1-7  
**F04B 49/08**

IPC 8 full level  
**F04B 49/035** (2006.01); **F04B 49/08** (2006.01)

CPC (source: EP)  
**F04B 49/035** (2013.01)

Cited by  
EP2518320A1; GB2347721B; DE202011005630U1

Designated contracting state (EPC)  
DE DK GB

DOCDB simple family (publication)  
**DE 29900463 U1 20000224**; DE 59910124 D1 20040909; DK 1020643 T3 20041206; EP 1020643 A2 20000719; EP 1020643 A3 20001227; EP 1020643 B1 20040804; NO 20000073 D0 20000107; NO 20000073 L 20000717

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**DE 29900463 U 19990114**; DE 59910124 T 19991221; DK 99125456 T 19991221; EP 99125456 A 19991221; NO 20000073 A 20000107