

Title (en)

Method of operating a high pressure device, in particular a high pressure cleaner, and high pressure device

Title (de)

Verfahren zum Betreiben einer Hochdruckvorrichtung, insbesondere eines Hochdruckreinigers, und Hochdruckvorrichtung

Title (fr)

Procédé de fonctionnement d'un dispositif à haute pression, en particulier un nettoyeur à haute pression, et dispositif à haute pression

Publication

EP 0899027 A3 19991208 (DE)

Application

EP 98115955 A 19980825

Priority

DE 19737490 A 19970828

Abstract (en)

[origin: EP0899027A2] Additives, e.g. liquid detergents or solutes from pills, are injected at the suction, rather than the delivery, of the high-pressure pump. The mixing chamber (14) and water inlet socket (11), which forms part of it, is easily removable from the washer casing and hence connected to the pump suction (5) with a flexible pipe. The additive container (28), provided for solids, is screwed into the mixing chamber and is transparent so that the additive level is easily visible. The equipment is designed for an inlet pressure between 4 and 10 bar and a jet pressure between 80 and 100 bar. The arrangement of the mixing chamber (14) is designed to accommodate a solid additive (76). Liquid additives are fed through a line at (53). Low pressure water entering at (21) passes through a filter (19) into control valve (50). This valve permits water to enter, or bypass, a container (28). In the closed position the valve uncovers a vent to atmosphere. The outer housing (2) and particularly the mixing chamber, are plastic injection moldings.

IPC 1-7

B08B 3/02; **B01F 5/04**

IPC 8 full level

B01F 5/04 (2006.01); **B08B 3/02** (2006.01); **B01F 1/00** (2006.01)

CPC (source: EP)

B01F 25/316 (2022.01); **B08B 3/026** (2013.01); **B01F 21/00** (2022.01)

Citation (search report)

- [XAY] US 3893591 A 19750708 - HOCKMUTH GERALD L, et al
- [YA] EP 0168781 A2 19860122 - GARDENA KRESS & KASTNER GMBH & DE 3426576 A1 19860130 - GARDENA KRESS & KASTNER GMBH [DE]
- [YA] DE 19601485 A1 19970724 - HTS HIGH PRESSURE TECHNICAL SY [DE]
- [XA] EP 0175262 A2 19860326 - KAERCHER GMBH & CO ALFRED [DE]
- [XA] DE 2553880 A1 19770602 - KAERCHER FA ALFRED
- [XA] US 4262849 A 19810421 - ELAM KENNETH R
- [XA] US 3139238 A 19640630 - NORSTRUD IVEN R, et al

Cited by

CN104136139A; EP1393824A3; CN114403762A; WO2020151106A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0899027 A2 19990303; **EP 0899027 A3 19991208**; DE 19737490 A1 19990304

DOCDB simple family (application)

EP 98115955 A 19980825; DE 19737490 A 19970828