

Title (en)  
HIGH-PRESSURE CLEANING DEVICE

Title (de)  
HOCHDRUCKREINIGUNGSGERÄT

Title (fr)  
APPAREIL DE NETTOYAGE À HAUTE PRESSION

Publication  
**EP 3237124 A1 20171101 (DE)**

Application  
**EP 15700504 A 20150120**

Priority  
• DE 102014119559 A 20141223  
• EP 2015051036 W 20150120

Abstract (en)  
[origin: WO2016102075A1] The invention relates to a high-pressure cleaning device having a high-pressure pump (16) that comprises a suction chamber (50), at least one pump chamber (52) which is arranged downstream thereof and in which liquid is pressurised, and a pressure chamber (56) downstream of said pump chamber (52), said high-pressure cleaning device (10) having: a control unit (24) on or onto which a discharge unit (36, 41) in the form of a low-pressure cleaning agent nozzle (37, 42) is arranged or attached, said control unit being able to be brought into fluidic connection with said pressure chamber (56) by means of a high-pressure line (22); as well as an admixing device (80) by means of which the liquid in the pressure chamber (56) can be mixed with a cleaning chemical. According to the invention, in order to develop such a high-pressure cleaning device further so as to make it more user-friendly, the high-pressure cleaning device (10) comprises a detection unit (136) with which it is possible to detect whether a liquid pressure on the pressure side of the pump chamber (52) has fallen below a threshold pressure, a control unit (76) coupled to said detection unit (136), an indicator unit (34) which is coupled to the control unit (76) and on which an indication that the high-pressure cleaning device (10) is entering into a cleaning agent mode can be provided for an operator, as well as an input unit (28) by means of which a mixing ratio for the cleaning chemical and the liquid can be pre-set by the operator.

IPC 8 full level  
**B08B 3/02** (2006.01); **B01F 5/04** (2006.01); **B01F 15/00** (2006.01); **B01F 15/04** (2006.01); **F04B 49/24** (2006.01)

CPC (source: CN EP)  
**B01F 25/31242** (2022.01 - CN EP); **B01F 35/2211** (2022.01 - CN EP); **B01F 35/833** (2022.01 - CN EP); **B08B 3/026** (2013.01 - CN); **F04B 1/04** (2013.01 - EP); **F04B 1/12** (2013.01 - CN); **F04B 49/06** (2013.01 - CN EP); **F04B 49/08** (2013.01 - CN EP); **B08B 3/026** (2013.01 - EP); **B08B 2203/0217** (2013.01 - CN EP)

Citation (search report)  
See references of WO 2016102075A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2016102075 A1 20160630**; CN 106999992 A 20170801; CN 106999992 B 20200306; EP 3237124 A1 20171101; EP 3237124 B1 20211013; EP 3991861 A1 20220504

DOCDB simple family (application)  
**EP 2015051036 W 20150120**; CN 201580062336 A 20150120; EP 15700504 A 20150120; EP 21202081 A 20150120