

Title (en)
HIGH-PRESSURE CLEANING DEVICE

Title (de)
HOCHDRUCKREINIGUNGSGERÄT

Title (fr)
APPAREIL DE NETTOYAGE À HAUTE PRESSION

Publication
EP 2131970 B1 20110119 (DE)

Application
EP 08735129 A 20080410

Priority
• EP 2008002818 W 20080410
• DE 102007017970 A 20070411

Abstract (en)
[origin: US2010059603A1] The invention relates to a high-pressure cleaning appliance with a high-pressure pump, comprising at least one pump chamber which is connected to a suction line and a pressure line. The pressure line is in flow connection with the suction line via a return flow line, and a relief valve with a through-channel extending from a valve inlet to a first valve outlet is arranged in the return flow line. A valve element which in a closed position bears against a valve seat is held for movement in the through-channel. At least one outlet channel, which opens into a second valve outlet, branches off from the through-channel. To design the high-pressure cleaning appliance so that it is less susceptible to failure, it is proposed that in the direction away from the valve seat, at a spacing from the at least one outlet channel, the valve element be surrounded by a sealing ring which seals off an inlet area of the through-channel adjacent to the valve inlet from an outlet area of the through-channel adjacent to the first valve outlet.

IPC 8 full level
B08B 3/02 (2006.01); **F04B 49/035** (2006.01)

CPC (source: EP US)
B08B 3/026 (2013.01 - EP US); **F04B 49/035** (2013.01 - EP US)

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

DOCDB simple family (publication)
US 2010059603 A1 20100311; US 8790092 B2 20140729; AT E495828 T1 20110215; CN 101641165 A 20100203; CN 101641165 B 20121107; DE 102007017970 A1 20081016; DE 502008002391 D1 20110303; DK 2131970 T3 20110516; EP 2131970 A1 20091216; EP 2131970 B1 20110119; WO 2008125267 A1 20081023; WO 2008125267 A8 20081218

DOCDB simple family (application)
US 58606809 A 20090915; AT 08735129 T 20080410; CN 200880009661 A 20080410; DE 102007017970 A 20070411; DE 502008002391 T 20080410; DK 08735129 T 20080410; EP 08735129 A 20080410; EP 2008002818 W 20080410