

Title (en)
High pressure cleaning device

Title (de)
Hochdruckreinigungsgerät

Title (fr)
Appareil de nettoyage haute pression

Publication
EP 2620228 A3 20140820 (DE)

Application
EP 13165580 A 20090228

Priority
• DE 102008058724 A 20081114
• EP 09776404 A 20090228

Abstract (en)
[origin: WO2010054701A1] The invention relates to a high-pressure cleaning device (10) having a housing (14, 16) which surrounds a motor-pump unit (12) which comprises a liquid-cooled electric motor (38) and a pump (44), wherein the pump (44) has a suction inlet (46) and a pressure outlet (50), and wherein, in order to cool it, the electric motor (38) can be fed liquid which is subsequently pressurized by the pump (44). In order to develop the high-pressure cleaning device (10) in such a way that it emits less noise, it is proposed according to the invention that the electric motor (38) is designed as a fan-less asynchronous motor and the motor-pump unit (12) is mounted via vibration-damping buffer elements (84, 86, 110, 112, 114, 116).

IPC 8 full level
B08B 3/02 (2006.01); **F04B 17/03** (2006.01); **F04B 17/06** (2006.01); **F04B 53/08** (2006.01); **F04B 53/00** (2006.01)

CPC (source: EP US)
B08B 3/026 (2013.01 - EP US); **F04B 17/03** (2013.01 - EP US); **F04B 17/06** (2013.01 - EP US); **F04B 53/003** (2013.01 - EP US); **F04B 53/08** (2013.01 - EP US); **B08B 2203/0211** (2013.01 - EP US); **B08B 2203/0223** (2013.01 - EP US); **B08B 2203/0235** (2013.01 - EP US); **B08B 2203/027** (2013.01 - EP US)

Citation (search report)
• [A] DE 102007009394 A1 20080828 - KAERCHER GMBH & CO KG ALFRED [DE]
• [A] DE 10305812 A1 20040902 - DMT GMBH FEINWERKTECHNISCHE KO [DE]
• [A] DE 3017117 A1 19811119 - KAERCHER GMBH & CO ALFRED [DE]

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 MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2010054701 A1 20100520; CN 102215986 A 20111012; CN 102215986 B 20141022; DK 2346621 T3 20130715; DK 2620228 T3 20170821; EP 2346621 A1 20110727; EP 2346621 B1 20130501; EP 2620228 A2 20130731; EP 2620228 A3 20140820; EP 2620228 B1 20170531; JP 2012508644 A 20120412; JP 2013166145 A 20130829; JP 5373103 B2 20131218; JP 5714043 B2 20150507; US 2011274570 A1 20111110; US 8727748 B2 20140520

DOCDB simple family (application)
EP 2009001443 W 20090228; CN 200980145710 A 20090228; DK 09776404 T 20090228; DK 13165580 T 20090228; EP 09776404 A 20090228; EP 13165580 A 20090228; JP 2011535884 A 20090228; JP 2013033664 A 20130222; US 201113103169 A 20110509