

Title (en)
A WATER CLEANER MACHINE

Title (de)
WASSERREINIGERMASCHINE

Title (fr)
MACHINE DE NETTOYAGE DE L'EAU

Publication
EP 3320989 A1 20180516 (EN)

Application
EP 17196481 A 20171013

Priority
IT 201600113873 A 20161111

Abstract (en)
A water cleaner machine comprising at least two motors (M1, M2) each activating a respective pump (P1, P2), the pumps being connected in parallel to a water supply line and leading a common dispensing conduit comprising a high-pressure lance activated by a trigger; the machine comprises a single switch (2) having a manual activation which can be positioned in a first position in which both the motors (M1, M2) are disconnected from an electric power source (figure 1), in a second position in which only one motor (M1) is connected to the electric power source (figure 2) and in a third position in which both the motors (M1, M2) are connected to an electric power source (1); a normally-closed pressure switch (5) is placed on a delivery conduit of one of the pumps (P1, P2), which pressure switch (5) is adapted to open when the pressure exceeds a calibration value.

IPC 8 full level
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CPC (source: CN EP)
B08B 3/02 (2013.01 - CN); **B08B 3/026** (2013.01 - EP); **F04B 23/04** (2013.01 - EP); **F04B 23/06** (2013.01 - EP); **F04B 49/08** (2013.01 - EP); **B08B 3/00** (2013.01 - EP); **B08B 2203/0223** (2013.01 - EP)

Citation (applicant)
CN 204672602 U 20150930 - SUMEC HARDWARE & TOOLS CO LTD

Citation (search report)
• [AD] CN 204672602 U 20150930 - SUMEC HARDWARE & TOOLS CO LTD
• [A] US 3481544 A 19691202 - JACKSON OTTO V
• [A] US 4552162 A 19851112 - FINGER JOHN F [US]
• [A] JP 2016087511 A 20160523 - HITACHI KOKI KK
• [A] US 2350876 A 19440606 - ALICK CLARKSON

Cited by
EP3944905A1; CN114054408A; EP3862103A1; CN113245314A; IT202000002509A1

Designated contracting state (EPC)
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DOCDB simple family (application)
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