

Title (en)

SURFACE CLEANING MACHINE HAVING A DAMPING DEVICE

Title (de)

FLÄCHEN-REINIGUNGSMASCHINE MIT BEFEUCHTUNGSEINRICHTUNG

Title (fr)

MACHINE DE NETTOYAGE DE SURFACES DOTÉE D'UN DISPOSITIF D'HUMIDIFICATION

Publication

EP 3206549 A1 20170823 (DE)

Application

EP 15775242 A 20151008

Priority

- DE 102014114809 A 20141013
- EP 2015073275 W 20151008

Abstract (en)

[origin: WO2016058901A1] The invention relates to a surface cleaning machine comprising at least one cleaning roller (18), a drive device (76) for rotationally driving the at least one cleaning roller (18), a damping device (116) for applying a cleaning liquid to the at least one cleaning roller (18), and a suction unit mechanism (32) for producing a suction flow, fluidically connected to at least one suction channel (44) and at least one suction outlet (54) which is associated with the at least one cleaning roller (18). The damping device (116) comprises at least one one pressure-controlled switch (118) which, in an open position, releases a fluid path (146) for cleaning liquid to the at least one cleaning roller (18), and, in a closed position, blocks the fluid path (146). The at least one pressure-controlled switch (118) is pressure-coupled to the at least one suction channel (44). The at least one pressure-controlled switch (118) moves to the open position and/or maintains the open position when negative pressure is applied by a suction flow in the at least one suction channel (44).

IPC 8 full level

A47L 11/202 (2006.01); **A47L 5/30** (2006.01); **A47L 9/04** (2006.01); **A47L 11/40** (2006.01)

CPC (source: CN EP RU US)

A47L 5/30 (2013.01 - CN EP US); **A47L 9/0477** (2013.01 - CN EP US); **A47L 11/202** (2013.01 - CN EP RU US); **A47L 11/302** (2013.01 - US); **A47L 11/4008** (2013.01 - CN EP US); **A47L 11/4016** (2013.01 - US); **A47L 11/4027** (2013.01 - US); **A47L 11/4041** (2013.01 - CN EP US); **A47L 11/4044** (2013.01 - US); **A47L 11/4069** (2013.01 - US); **A47L 11/408** (2013.01 - CN EP US); **A47L 11/4083** (2013.01 - US); **A47L 11/4088** (2013.01 - US)

Citation (search report)

See references of WO 2016058901A1

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)

DE 102014114809 A1 20160414; CN 106998975 A 20170801; CN 106998975 B 20191108; EP 3206549 A1 20170823; EP 3206549 B1 20210721; PL 3206549 T3 20211227; RU 2653677 C1 20180511; UA 118405 C2 20190110; US 10130230 B2 20181120; US 2017215676 A1 20170803; WO 2016058901 A1 20160421

DOCDB simple family (application)

DE 102014114809 A 20141013; CN 201580055305 A 20151008; EP 15775242 A 20151008; EP 2015073275 W 20151008; PL 15775242 T 20151008; RU 2017116611 A 20151008; UA A201704595 A 20151008; US 201715484631 A 20170411