

Title (en)  
SURFACE CLEANING MACHINE COMPRISING COUNTER-ROTATING CLEANING ROLLER UNITS AND METHOD FOR OPERATING SUCH A SURFACE CLEANING MACHINE

Title (de)  
FLÄCHEN-REINIGUNGSMASCHINE MIT GEGENLÄUFIGEN REINIGUNGSWALZENEINHEITEN UND VERFAHREN ZUM BETREIBEN EINER SOLCHEN FLÄCHEN-REINIGUNGSMASCHINE

Title (fr)  
MACHINE DE NETTOYAGE DE SURFACE AYANT DES UNITÉS À ROULEAUX DE NETTOYAGE CONTRAROTATIVES ET PROCÉDÉ DE FONCTIONNEMENT D'UNE MACHINE DE NETTOYAGE DE SURFACE

Publication  
**EP 3678525 A1 20200715 (DE)**

Application  
**EP 18768827 A 20180905**

Priority  
• DE 102017120722 A 20170908  
• EP 2018073895 W 20180905

Abstract (en)  
[origin: WO2019048496A1] The invention relates to a surface cleaning machine (10), comprising a cleaning head (12) having a first cleaning roller unit (16), which is driven in a rotating manner in a first rotational direction (36), and having a second cleaning roller unit (18) which is driven in a rotating manner in a second rotational direction (38), wherein the second rotational direction (38) is opposite to the first rotational direction (36), wherein a first sweeping element (72) is assigned to the first cleaning roller unit (16), said sweeping element being positioned between the first cleaning roller unit (16) and the second cleaning roller unit (18) and/or wherein a second sweeping element (74) is assigned to the second cleaning roller unit (18).

IPC 8 full level  
**A47L 5/30** (2006.01); **A47L 11/33** (2006.01); **A47L 11/40** (2006.01)

CPC (source: CN EP)  
**A47L 5/30** (2013.01 - CN EP); **A47L 11/33** (2013.01 - CN EP); **A47L 11/4011** (2013.01 - CN); **A47L 11/4013** (2013.01 - EP); **A47L 11/4041** (2013.01 - EP); **A47L 11/4044** (2013.01 - EP); **A47L 11/4063** (2013.01 - CN); **A47L 11/4077** (2013.01 - EP); **A47L 2201/00** (2013.01 - CN EP); **A47L 2201/06** (2013.01 - CN)

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 2019048496 A1 20190314**; CN 111093448 A 20200501; CN 111093448 B 20230505; CN 116269033 A 20230623; DE 102017120722 A1 20190314; EP 3678525 A1 20200715

DOCDB simple family (application)  
**EP 2018073895 W 20180905**; CN 201880057933 A 20180905; CN 202310378511 A 20180905; DE 102017120722 A 20170908; EP 18768827 A 20180905