

Title (en)
EXTENSION DEVICE OF A HARD SURFACES VACUUM CLEANING SYSTEM

Title (de)
VERLÄNGERUNGSEINRICHTUNG EINES HARTFLÄCHENABSAUGSYSTEMS

Title (fr)
DISPOSITIF DE PROLONGATION D'UN SYSTEME D'ASPIRATION DES SURFACES DURES

Publication
EP 2890283 B1 20170802 (DE)

Application
EP 12751085 A 20120829

Priority
EP 2012066795 W 20120829

Abstract (en)
[origin: WO2014032712A1] The invention relates to a hard-surface vacuum cleaning system (10; 100; 120; 140; 160), comprising a portable hard-surface vacuum cleaner (12) for sucking up a liquid-air mixture from a hard surface, in particular from a window pane, having a suction nozzle (18), a suction unit (44) and a separation device (32) which is arranged in the flow path between the suction nozzle (18) and the suction unit (44) and which is connected to a dirty liquid tank (56), and having a handgrip (16) for gripping the hard-surface vacuum cleaner. In order to widen the area of use of the hard-surface vacuum cleaner (12) to areas which lie outside the immediate range of the user, the hard-surface vacuum cleaner system has an extension device (14; 104; 124; 144; 164), which is detachably connected to the hard-surface vacuum cleaner and has a handhold (96; 174) that can be gripped by the user.

IPC 8 full level
A47L 1/05 (2006.01); **A47L 7/00** (2006.01); **A47L 9/24** (2006.01); **A47L 9/32** (2006.01); **A47L 11/30** (2006.01)

CPC (source: EP)
A47L 1/05 (2013.01); **A47L 7/0009** (2013.01); **A47L 7/0019** (2013.01); **A47L 9/24** (2013.01); **A47L 9/322** (2013.01); **A47L 11/30** (2013.01)

Cited by
CN106725078A; WO2019202081A1; WO2019048334A1

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

DOCDB simple family (publication)
WO 2014032712 A1 20140306; EP 2890283 A1 20150708; EP 2890283 B1 20170802

DOCDB simple family (application)
EP 2012066795 W 20120829; EP 12751085 A 20120829