

Title (en)
DEVICE, SYSTEM AND METHOD FOR CLEANING ARTIFICIAL LAWNS

Title (de)
VORRICHTUNG, SYSTEM UND VERFAHREN ZUR REINIGUNG VON KUNSTRASEN

Title (fr)
DISPOSITIF, SYSTÈME ET PROCÉDÉ DE NETTOYAGE D'UNE PELOUSE ARTIFICIELLE

Publication
EP 2547828 A1 20130123 (DE)

Application
EP 11703456 A 20110211

Priority
• DE 102010011418 A 20100315
• EP 2011052044 W 20110211

Abstract (en)
[origin: WO2011113649A1] A device for the wet cleaning of artificial lawns, with at least one running wheel, comprising a coupling (14) for connecting the device to a driving vehicle (60), and a housing (60), below which a cleaning area (20) is defined, at least one washing bar (30, 301) which is arranged parallel to the cleaning area (20) and has a high-pressure connection (34) on which flat jet nozzles (32) directed in the direction of travel (V) are arranged in such a manner that a discharging cleaning liquid forms a cleaning liquid curtain in the region of intersection with the cleaning area (20). A receiving ramp (40) for a mixture of the cleaning agent and impurities from the artificial lawn is arranged upstream of the impact region in the direction of travel and is inclined counter to the direction of travel (V). The device furthermore has a transport worm (52) for the mixture received, in which an extraction connection (52), at which a negative pressure can be generated, is arranged at at least one end. A sealing strip (22) surrounds the cleaning area (20) on the lower side of the housing (10).

IPC 8 full level
E01H 1/10 (2006.01)

CPC (source: EP)
E01H 1/103 (2013.01)

Citation (search report)
See references of WO 2011113649A1

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)
DE 102010011418 A1 20110915; DE 102010011418 B4 20121018; EP 2547828 A1 20130123; EP 2547828 B1 20191120;
WO 2011113649 A1 20110922

DOCDB simple family (application)
DE 102010011418 A 20100315; EP 11703456 A 20110211; EP 2011052044 W 20110211