

Title (en)
SWEEPING VEHICLE

Title (de)
KEHRFAHRZEUG

Title (fr)
BALAYEUSE DE VOIRIE

Publication
EP 2721219 A1 20140423 (DE)

Application
EP 11725478 A 20110617

Priority
EP 2011060121 W 20110617

Abstract (en)
[origin: WO2012171580A1] The invention relates to a sweeping vehicle comprising a disk brush (26) for sweeping dirt off a floor surface (11) to be cleaned, said disk brush (26) having a brush disk (88) with brushes (90) held thereon and being drivable so as to rotate about an axis of rotation (86). The sweeping vehicle further comprises a holding device (46) for holding the disk brush (26), said holding device (46) having a holding element (54) and a holding arm (56) which is pivotally connected thereto. The holding device (46) is held on the sweeping vehicle (10) by means of the holding element (54) and the disk brush (26) is held on the holding arm (56). The sweeping vehicle further comprises an adjuster (94) having an adjusting unit (96) acting upon the holding arm (56) and being variable in length. The holding arm (56) can be pivoted relative to the holding element (54) depending on a variation in length of the adjusting unit (96), for lowering or lifting the disk brush (26). The aim of the invention is to improve said sweeping vehicle such that the contact area of the disk brush can be varied in a constructively easy manner. According to the invention, the holding device (46) comprises a brush support (80) that is pivotally mounted on the holding arm (56) and that holds the disk brush (26). The sweeping vehicle (10) comprises a coupling device (122) for coupling the brush support (80) to the adjuster (94), the brush support (80) being pivoted relative to the holding arm (56) depending on a variation in length of the adjusting unit (96) for pivoting the disk brush (26) about a swivel axis (144) that is at an angle to the axis of rotation (86).

IPC 8 full level
A47L 11/40 (2006.01); **E01H 1/05** (2006.01)

CPC (source: EP US)
A47L 11/4052 (2013.01 - EP US); **E01H 1/053** (2013.01 - EP US)

Citation (search report)
See references of WO 2012171580A1

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 2012171580 A1 20121220; CN 103608521 A 20140226; CN 103608521 B 20150701; EP 2721219 A1 20140423; EP 2721219 B1 20150311; JP 2014523983 A 20140918; JP 5898308 B2 20160406; KR 101622331 B1 20160531; KR 20140041580 A 20140404; US 2014101874 A1 20140417; US 9249547 B2 20160202

DOCDB simple family (application)
EP 2011060121 W 20110617; CN 201180071707 A 20110617; EP 11725478 A 20110617; JP 2014515075 A 20110617; KR 20137034110 A 20110617; US 201314107351 A 20131216