

Title (en)

SURFACE TRACKING SWEEPING BROOM APPARATUS FOR USE WITH A VEHICLE

Title (de)

KEHRMASCHINE MIT OBERFLÄCHENVERFOLGUNG ZUR VERWENDUNG MIT EINEM FAHRZEUG

Title (fr)

BALAYEUSE DE SURFACE UTILISABLE AVEC UN VÉHICULE

Publication

**EP 2203602 A4 20121205 (EN)**

Application

**EP 08833438 A 20080925**

Priority

- CA 2008001662 W 20080925
- US 97502907 P 20070925

Abstract (en)

[origin: US2009083920A1] A sweeping broom apparatus comprises a main body having a debris receiving inlet, and connecting arms for operatively connecting the main body to a vehicle. A broom shroud has a forwardly facing debris outlet for permitting the directed egress of debris therefrom as a forwardly propelled stream of debris. There are arms for mounting the broom shroud on the main body, for free vertical movement of the broom shroud with respect to the main body. A main sweeping broom is operatively mounted free vertical movement within the broom shroud for propelling debris forwardly from a surface being cleaned, thereby creating a stream of debris propelled forwardly through the forwardly facing debris outlet to the debris receiving inlet of the vehicle. A dust-containing pliable cover is connected in substantially sealed relation to the broom shroud at the forwardly facing debris outlet and connected in substantially sealed relation to the vehicle at the debris receiving inlet for containing dust from the stream of debris propelled forwardly through the forwardly facing debris outlet.

IPC 8 full level

**E01H 1/04** (2006.01); **E01H 1/08** (2006.01)

CPC (source: EP US)

**E01H 1/045** (2013.01 - EP US)

Citation (search report)

- [X] US 1817042 A 19310804 - SPRADBROW NORMAN H G
- [X] DE 8313666 U1 19901206
- [I] EP 0009931 A1 19800416 - FMC CORP [US]
- See references of WO 2009039619A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2009083920 A1 20090402**; CA 2738514 A1 20090402; EP 2203602 A1 20100707; EP 2203602 A4 20121205; WO 2009039619 A1 20090402

DOCDB simple family (application)

**US 23836008 A 20080925**; CA 2008001662 W 20080925; CA 2738514 A 20080925; EP 08833438 A 20080925