

Title (en)  
SELF-PROPELLED SWEEPER

Title (de)  
SELBSTFAHRENDE KEHRMASCHINE

Title (fr)  
BALAYEUSE AUTONOME

Publication  
**EP 3739126 B1 20211124 (DE)**

Application  
**EP 20405016 A 20200228**

Priority  
CH 6262019 A 20190513

Abstract (en)  
[origin: CA3080338A1] An automotive sweeper for cleaning ground surfaces resistant to wheeled traffic is provided. The automotive sweeper comprises a refuse receptacle receiving refuse from the ground surface by means of suction air or suction force produced by a vacuum unit. The refuse receptacle has a separating device arranged at a distance from the upper receptacle wall for separating the refuse and conducting the suction air to an air outlet line. The refuse receptacle pivots about a horizontal axis arranged transversely to the direction of movement at the rear end. The inner face of the rear wall of the refuse receptacle is designed as a sliding surface ascending or inclined towards the rear for the purpose of emptying the refuse. The vacuum unit line-connected to the inner space of the refuse receptacle by a vacuum opening is arranged on the outer face of the rear wall designed with an inner sliding surface.

IPC 8 full level  
**E01H 1/08** (2006.01)

CPC (source: CH CN EP RU US)  
**E01H 1/0827** (2013.01 - CH EP RU); **E01H 1/0836** (2013.01 - CN RU); **E01H 1/0845** (2013.01 - CN RU US); **E01H 2001/0881** (2013.01 - CH EP); **E01H 2001/089** (2013.01 - US)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**CH 715503 B1 20200515**; CA 3080338 A1 20201113; CA 3080338 C 20230829; CN 111926751 A 20201113; EP 3739126 A1 20201118; EP 3739126 B1 20211124; ES 2902590 T3 20220329; RU 2755281 C1 20210914; US 11649597 B2 20230516; US 2020362526 A1 20201119

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