

Title (en)

IMPROVED DEBRIS SYSTEM FOR STREET SWEEPERS

Publication

EP 0180251 A3 19860910 (EN)

Application

EP 85115620 A 19830927

Priority

- EP 85115620 A 19830927
- US 43195982 A 19820930

Abstract (en)

[origin: EP0180251A2] A street sweeper has floating support apparatus for supporting both a pick-up broom and a pair of laterally and forwardly disposed gutter brushes beneath a sweeper framework and for providing controlled broom and brush pressures on the surface being swept. A ball bushing and vertical shaft provide gutter brush suspension and spherical bearings and support arms provide pick-up broom suspension. The gutter brushes and pick-up broom are directly driven by hydraulic motors mounted on their respective suspension structures. Debris is directed inwardly on the swept surface by the gutter brushes toward the path of the pick-up broom. Laterally disposed dirt shoes lie adjacent the ends of the pick-up broom to prevent debris from flowing around the ends of the broom, whereby debris is further guided inwardly toward the pick-up broom for propulsion toward an elevator for transfer into a framework mounted debris hopper.

IPC 1-7

E01H 1/04

IPC 8 full level

E01H 1/05 (2006.01)

CPC (source: EP)

E01H 1/053 (2013.01); **E01H 1/056** (2013.01)

Citation (search report)

- [A] US 4320552 A 19820323 - DICKSON DONALD L, et al
- [A] EP 0029347 A1 19810527 - HESTAIR EAGLE LTD [GB]
- [A] US 3436788 A 19690408 - TAMNY SIMON
- [A] AU 416460 B2 19710823

Cited by

EP0866172A3; EP0284600A3; CN103866729A

Designated contracting state (EPC)

BE CH DE FR GB LI NL

DOCDB simple family (publication)

EP 0180251 A2 19860507; EP 0180251 A3 19860910

DOCDB simple family (application)

EP 85115620 A 19830927