

Title (en)
Large-scale cleaning vehicle

Title (de)
Grossformatige Reinigungsvorrichtung

Title (fr)
Dispositif de nettoyage de grand format

Publication
EP 0807716 B1 20030723 (EN)

Application
EP 97107835 A 19970514

Priority

- JP 11872796 A 19960514
- JP 11872896 A 19960514
- JP 20693096 A 19960806
- JP 13804196 A 19960531
- JP 22208496 A 19960823
- JP 34937596 A 19961227
- JP 6790997 A 19970321
- JP 6791097 A 19970321

Abstract (en)
[origin: EP0807716A2] A large-scale cleaning vehicle (75), for operation with a forklift (9), includes rotation brushes (14) for sweeping debris toward a center of said cleaning vehicle (7-5), a sweeping brush (17) for sweeping the debris into a debris collection box (15) and a fan (34) for pulling said debris into said debris collection box (15) without the need for a motor in the cleaning vehicle. Each of the rotation brushes (14), the sweeping brush (17), and the fan (34) are rotatably connected to a rear wheel (18) of the cleaning vehicle such that when the cleaning vehicle is moved, the brushes and fan are rotated. The cleaning vehicle further includes a vertical adjustment for the rotation brushes (14) to lift them when they are not needed, a lateral adjustment for the rotation brushes (14) to adjust a width of sweeping, an audible warning (91) for pedestrians, a water sprinkler system (83) to aid in the cleaning process, and a large-scale trash removal brush (74) mounted in front of the cleaning vehicle to push large-scale trash.

IPC 1-7
E01H 1/08; **E01H 1/05**; **E01H 1/04**; **E01H 1/02**

IPC 8 full level
E01H 1/02 (2006.01); **E01H 1/04** (2006.01); **E01H 1/05** (2006.01); **E01H 1/08** (2006.01)

CPC (source: EP)
E01H 1/02 (2013.01); **E01H 1/047** (2013.01); **E01H 1/05** (2013.01); **E01H 1/0845** (2013.01)

Cited by
CN109056601A; CN108937777A; CN110904897A; CN104088241A; CN115769996A; CN103669264A; FR2925081A1; CN107724309A; KR20000058494A; CN107642061A; CN112807910A; CN109837850A; CN104018452A; CN109528103A; CN112502078A; CN112653981A; WO2009074629A1

Designated contracting state (EPC)
BE CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0807716 A2 19971119; **EP 0807716 A3 19980429**; **EP 0807716 B1 20030723**

DOCDB simple family (application)
EP 97107835 A 19970514