

Title (en)

APPARATUS AND METHOD FOR BRUSHING

Publication

EP 0230072 B1 19891206 (FR)

Application

EP 86202233 A 19861210

Priority

BE 216130 A 19860113

Abstract (en)

1. Sweeping method comprising the combined use of a mechanical brush (9) and a container (10) at the front of a motor vehicle, in which the front edge (26) of the forwardly open container (10) is arranged almost against the ground to be swept, the ground is swept by driving the brush in rotation so that the swept material is projected rearwardly through the container opening and the material in the container is removed by raising the container (10) and inclining its opening downwardly and in which the brush is moved freely and automatically away from the container so as to clear its opening when an obstacle is encountered and the brush is automatically returned to its initial position when the obstacle disappears, characterized in that, during sweeping, the brush (9) is freely and automatically lowered under the effect of gravity towards the ground adjacent to the opening of the container (10) and in that, in the removal position, when the opening of the container is inclined downwardly well above the ground, the brush is freely and automatically moved away under the effect of gravity from the front edge of the container so as to clear the container opening and the brush (9) is possibly used to help remove the granular material from the container.

IPC 1-7

E01C 19/15; E01C 23/09; E01H 1/04; E01H 1/10; E02F 3/40

IPC 8 full level

E01H 1/05 (2006.01); **E01C 19/12** (2006.01); **E01C 19/15** (2006.01); **E01C 23/09** (2006.01); **E01H 1/02** (2006.01); **E01H 1/04** (2006.01); **E01H 1/10** (2006.01); **E02F 3/40** (2006.01); **E02F 3/96** (2006.01)

CPC (source: EP US)

E01C 19/15 (2013.01 - EP US); **E01C 23/0966** (2013.01 - EP US); **E01H 1/02** (2013.01 - EP US); **E01H 1/045** (2013.01 - EP US); **E01H 1/106** (2013.01 - EP US); **E02F 3/404** (2013.01 - EP US); **E02F 3/962** (2013.01 - EP US)

Cited by

CN108560458A; US4819290A; KR101281358B1; CN107758275A; CN111325886A; GB2210651A; GB2210651B; GB2245628A; GB2245628B; KR101411334B1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

BE 904031 A 19860502; AT E48454 T1 19891215; CA 1309810 C 19921110; DE 3667311 D1 19900111; DK 13187 A 19870714; DK 13187 D0 19870112; DK 162848 B 19911216; DK 162848 C 19920518; EP 0230072 A2 19870729; EP 0230072 A3 19880224; EP 0230072 B1 19891206; ES 2012450 B3 19900401; FI 84845 B 19911015; FI 84845 C 19920127; FI 865131 A0 19861216; FI 865131 A 19870714; JP H0552362 B2 19930805; JP S62164903 A 19870721; NO 167313 B 19910715; NO 167313 C 19911023; NO 870117 D0 19870112; NO 870117 L 19870714; US 4895476 A 19900123

DOCDB simple family (application)

BE 216130 A 19860113; AT 86202233 T 19861210; CA 527230 A 19870113; DE 3667311 T 19861210; DK 13187 A 19870112; EP 86202233 A 19861210; ES 86202233 T 19861210; FI 865131 A 19861216; JP 585787 A 19870113; NO 870117 A 19870112; US 224387 A 19870112