

Title (en)
Motor-sweeper

Title (de)
Motorisierte Kehrmachine

Title (fr)
Balayeuse à moteur

Publication
EP 0887468 A3 20000315 (EN)

Application
EP 98110275 A 19980605

Priority
IT PN970038 A 19970625

Abstract (en)
[origin: EP0887468A2] Motor-sweeper with a horizontally rotating brush roller (3) in contact with the floor to collect the dirt therefrom and send it into a collecting bin (5) through a conveying channel (6, 7). The brush roller (3) is hinged on a lever (11) that is adapted to be actuated by an actuator (20) to vary the position of the brush roller in a direction (A) that is substantially inclined downwards frontally. Control means (17) detect the operating pressure of the brush roller (3) with respect to the floor (4), compare such a pressure with a reference value, and drive the actuator (20) so as to keep both the operating pressure of the brush roller (3) and the cross-section area of said channel (6, 7) constant. <IMAGE>

IPC 1-7
E01H 1/05

IPC 8 full level
E01H 1/05 (2006.01)

CPC (source: EP)
E01H 1/056 (2013.01)

Citation (search report)
• [DXY] WO 9513737 A1 19950526 - BRISCOE WILLIAM A [GB]
• [Y] US 5615437 A 19970401 - TAKAHASHI SHINICHIRO [JP], et al
• [YA] US 4525888 A 19850702 - BARGIEL DOUGLAS A [US], et al
• [A] EP 0241694 A1 19871021 - TENNANT CO [US]

Cited by
EP1152089A3; CN112482283A; CN102409631A; CN104912013A; CN110158517A; GB2467538A; GB2467538B; US7895706B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0887468 A2 19981230; EP 0887468 A3 20000315; EP 0887468 B1 20020918; DE 69807994 D1 20021024; DE 69807994 T2 20030130; ES 2184171 T3 20030401; IT 1294137 B1 19990322; IT PN970038 A0 19970625; IT PN970038 A1 19981225

DOCDB simple family (application)
EP 98110275 A 19980605; DE 69807994 T 19980605; ES 98110275 T 19980605; IT PN970038 A 19970625