

Title (en)
Floor cleaning machine

Title (de)
Bodenreinigungsmaschine

Title (fr)
Machine pour nettoyer les sols

Publication
EP 1514506 A3 20080924 (DE)

Application
EP 04019939 A 20040823

Priority
DE 10342455 A 20030915

Abstract (en)
[origin: EP1514506A2] A mechanically swiveled dirt container (10) shifts between an operating position, in which it uses its opening edge to keep a tight grip on an opening edge (9) of a dirt penetration hole, and a raised position, from which it swivels into an emptying position by releasing a retaining link. A lifting arm (12) is part of an arrangement of parallel bars.

IPC 8 full level
A47L 11/40 (2006.01)

CPC (source: EP US)
A47L 11/24 (2013.01 - EP US); **A47L 11/4013** (2013.01 - EP US); **A47L 11/4055** (2013.01 - EP US)

Citation (search report)
• [A] US 5377376 A 19950103 - WOOD DAVID [US], et al
• [A] EP 0436273 A1 19910710 - AAR CORP [US]
• [A] DE 2539496 A1 19770310 - HAKO WERKE HANS KOCH & SOHN
• [A] EP 0482293 A1 19920429 - MOHR HERMANN MASCH [DE]

Cited by
CN103193047A; CN103114541A; CN105970862A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL HR LT LV MK

DOCDB simple family (publication)
EP 1514506 A2 20050316; EP 1514506 A3 20080924; EP 1514506 B1 20100113; DE 10342455 A1 20050407; DE 502004010631 D1 20100304; US 2005055786 A1 20050317; US 7461428 B2 20081209

DOCDB simple family (application)
EP 04019939 A 20040823; DE 10342455 A 20030915; DE 502004010631 T 20040823; US 94244304 A 20040915