

Title (en)

Cleaning device for cleaning artificial floor surfaces with floor lining particles, in particular artificial lawns

Title (de)

Reinigungsvorrichtung zum reinigen von künstlichen mit bodenbelagspartikeln versehenen bodenflächen, insbesondere von kunstrasen

Title (fr)

Dispositif de nettoyage destiné à nettoyer les surfaces de sol artificielles dotées de particules de revêtement de sol, en particulier les gazons artificiels

Publication

**EP 2568081 A3 20140820 (DE)**

Application

**EP 12181583 A 20120823**

Priority

DE 102011082311 A 20110907

Abstract (en)

[origin: EP2568081A2] The cleaning device (10) has a sweeping unit (12) for receiving dirt particles from the surface, and a separating unit (14) for separating the dirt particles of floor. A surface particle return unit (16) re-circulates the dirt particles to the ground. A filter unit filters the dust particles, and a suction unit (20) sucks the filtered dust particles from the filter unit. The vacuum chambers are fluid communicated through the separation unit, and are connected with the suction unit.

IPC 8 full level

**E01H 1/08** (2006.01)

CPC (source: EP US)

**A47L 11/4027** (2013.01 - US); **E01H 1/0845** (2013.01 - EP US)

Citation (search report)

- [AD] WO 2008060145 A1 20080522 - REDEXIM HANDEL EN EXPL MIJ BV [NL], et al
- [A] WO 2011078663 A2 20110630 - REDEXIM HANDEL EN EXPL MIJ BV [NL], et al
- [A] US 2005044656 A1 20050303 - PREVOST JEAN [CA]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2568081 A2 20130313; EP 2568081 A3 20140820; EP 2568081 B1 20160706**; DE 102011082311 A1 20130307; US 2013055524 A1 20130307; US 9702102 B2 20170711

DOCDB simple family (application)

**EP 12181583 A 20120823**; DE 102011082311 A 20110907; US 201213599515 A 20120830