

Title (en)
Cleaning device with rotating brushes

Title (de)
Reinigungsvorrichtung mit Bürstenrollen

Title (fr)
Dispositif de nettoyage avec brosses rotatives

Publication
EP 2191763 A1 20100602 (EN)

Application
EP 08166002 A 20081007

Priority
EP 08166002 A 20081007

Abstract (en)
A cleaning device for cleaning a surface, which comprises at least one brush (3,4) rotatable in a rotation direction and movable over the surface to be cleaned and at least one spoiler (14) pressing against the bristles of the brush at a location before the location where the bristles contact the surface to be cleaned.

IPC 8 full level
A47L 11/282 (2006.01); **A47L 11/33** (2006.01)

CPC (source: EP)
A47L 11/282 (2013.01); **A47L 11/33** (2013.01); **A47L 11/4041** (2013.01); **A47L 11/4077** (2013.01)

Citation (applicant)
US 1694937 A 19281211 - FLOETER FREDERICK S

Citation (search report)
• [XAY] US 2005055785 A1 20050317 - SPOONER GREGORY CLEGG [HK]
• [YA] GB 2139879 A 19841121 - STEIN & CO GMBH
• [XY] WO 2005053498 A1 20050616 - TENNANT CO [US]
• [X] WO 2005096906 A1 20051020 - VORWERK CO INTERHOLDING [DE], et al
• [A] FR 1377905 A 19641106 - DIETSCHE ROMAN FA

Cited by
ITMI20130970A1; WO2014199216A1; JP2014524324A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2010041184 A1 20100415; CA 2753156 A1 20100415; CA 2753156 C 20161108; CA 2753156 F 20100415; CA 2753157 A1 20100415; CA 2753157 C 20170314; EP 2191763 A1 20100602; EP 2395894 A1 20111221; EP 2395894 B1 20130605; EP 2395895 A1 20111221; EP 2395895 B1 20130724; WO 2010041185 A1 20100415

DOCDB simple family (application)
IB 2009054333 W 20091005; CA 2753156 A 20091005; CA 2753157 A 20091005; EP 08166002 A 20081007; EP 09787354 A 20091005; EP 09787355 A 20091005; IB 2009054334 W 20091005