

Title (en)
Suction nozzle sliding base plate of a vacuum cleaner

Title (de)
Gleitsohle einer Staubsaugerdüse

Title (fr)
Semelle de suceur d'aspirateur

Publication
EP 2433538 B1 20180425 (FR)

Application
EP 11306188 A 20110922

Priority
FR 1057713 A 20100924

Abstract (en)
[origin: EP2433538A1] The soleplate (100) has a suction channel (10) that is defined at a front by a front scrapping edge (11) and at a rear by a rear scrapping edge (12). A regulating unit regulates flow-pressure torque of air sucked in the suction channel, where the regulating unit has a sealing cover (20) comprised in a scrapping plane. An advanced effort limiting unit has a front attack chamfer (25) arranged at a front of the sealing cover forming an angle (beta) with the scrapping plane, where the angle is lower than 20 degrees.

IPC 8 full level
A47L 9/02 (2006.01)

CPC (source: EP KR)
A47L 9/02 (2013.01 - EP KR)

Citation (opposition)
Opponent : Jochen Ehlers, Eisenführ Speiser,
• EP 1964501 A2 20080903 - WESSEL WERK GMBH [DE]
• GB 1493097 A 19771123 - WESSEL H
• DE 7833705 U1 19790426
• DE 7812958 U1 19791004
Opponent : SCB S.r.l.
• EP 1561412 A2 20050810 - MIELE & CIE [DE]
• EP 1964501 A2 20080903 - WESSEL WERK GMBH [DE]
• GB 1493097 A 19771123 - WESSEL H
Opponent : Wessel-Werk GmbH
• EP 1964501 A2 20080903 - WESSEL WERK GMBH [DE]
• EP 1772089 A2 20070411 - SAMSUNG KWANGJU ELECTRONICS CO [KR]
• EP 0793938 A2 19970910 - WESSEL WERK GMBH [DE]
• EP 0623304 A1 19941109 - MOULINEX SA [FR]
• FR 2497453 A1 19820709 - VORWERK CO INTERHOLDING [DE]
• GB 1458899 A 19761215 - HITACHI LTD
• DD 155293 A1 19820602 - FRANK HARALD, et al
• DE 7812958 U1 19791004
• DE 7833705 U1 19790426
• DE 7621523 U1 19780119

Cited by
CN108498005A; EP3047775A1; US2023001459A1; US11986866B2; EP3639715A1; EP3257417A3; EP4311464A1; FR3138289A1

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

DOCDB simple family (publication)
EP 2433538 A1 20120328; EP 2433538 B1 20180425; CN 102415854 A 20120418; CN 102415854 B 20160518; ES 2670575 T3 20180531; FR 2965165 A1 20120330; FR 2965165 B1 20130712; KR 101870442 B1 20180719; KR 20120031452 A 20120403; PL 2433538 T3 20180831; PT 2433538 T 20180525

DOCDB simple family (application)
EP 11306188 A 20110922; CN 201110274996 A 20110916; ES 11306188 T 20110922; FR 1057713 A 20100924; KR 20110096073 A 20110923; PL 11306188 T 20110922; PT 11306188 T 20110922