

Title (en)
HARD-SURFACE SUCTION IMPLEMENT

Title (de)
HARTFLÄCHENABSAUGGERÄT

Title (fr)
APPAREIL D'ASPIRATION POUR SURFACES DURES

Publication
EP 2830473 B1 20160518 (DE)

Application
EP 12712267 A 20120330

Priority
EP 2012055871 W 20120330

Abstract (en)
[origin: WO2013143616A1] A hard-surface suction implement (10/200) comprises a suction device (12/212) with a suction nozzle (14/214), a separating unit (16/216) and a suction assembly (18/218), and, moreover, comprises a dirty liquid tank (20/220) and a handle (22/222); wherein the separating unit (16/216) has a separating chamber (32/232), in which at least one separating element (36/236) is arranged, and which comprises a suction inlet (34/234), a liquid outlet (52/252) and an air outlet (40/240), wherein the suction inlet (34/234) is flow-connected to the suction nozzle (14/214), the liquid outlet (52/252) is flow-connected to the dirty liquid tank (20/220) and the air outlet (40/240) is flow-connected to the suction assembly (18/218). In order that the hard-surface suction implement (10/200) can be guided along a hard surface by an operator with low expenditure of energy, the handle (22/222) is arranged below the suction device (12/212) in relation to an upright position of the hard-surface suction implement (10/200).

IPC 8 full level
A47L 1/05 (2006.01); **A47L 5/24** (2006.01); **A47L 7/00** (2006.01); **A47L 9/06** (2006.01)

CPC (source: EP)
A47L 1/05 (2013.01); **A47L 5/24** (2013.01); **A47L 7/0004** (2013.01); **A47L 7/0019** (2013.01); **A47L 7/0023** (2013.01); **A47L 7/0038** (2013.01); **A47L 9/0626** (2013.01); **A47L 9/2884** (2013.01); **A47L 9/322** (2013.01)

Citation (opposition)
Opponent : Carl Freudenberg KG,
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• WO 2008065313 A2 20080605 - WINDDROP SARL [FR], et al
• US 5005252 A 19910409 - STEINER ROBERT E [US], et al
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Opponent : Leifheit AG
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CN106725078A

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