

Title (en)

Multi-function floor treatment device

Title (de)

Mehrzweckvorrichtung zur Bodenreinigung

Title (fr)

Dispositif à fonctions multiples pour le nettoyage des sols

Publication

**EP 1529480 A1 20050511 (EN)**

Application

**EP 04396072 A 20041012**

Priority

FI 20031629 A 20031110

Abstract (en)

A floor treatment tool (10) comprising a handle (11), a joint (12) and a drier part (20), such as a drying spatula, and holders (30a and 30b) provided with clamping parts (32a-32d), which holders can be locked onto the drier part by pressing so that the cloth (40), paper or mop will remain between the drier part and the holders or between the drier part and the clamping parts of the holders. The lower surface of the holders may be provided with a saw-toothed edge (33) or spikes (33). The holders are connected to the drier part or to its connecting part (21) by a joint (31), aperture or dovetail joint. The holder is preferably made of flexible material and, according to an embodiment, it is connected to the floor treatment tool by a string (35).

IPC 1-7

**A47L 13/44**; **A47L 13/11**

IPC 8 full level

**A47L 13/11** (2006.01); **A47L 13/44** (2006.01)

CPC (source: EP)

**A47L 13/11** (2013.01); **A47L 13/44** (2013.01)

Citation (applicant)

EP 0271295 A2 19880615 - BACHAR RAPHAEL

Citation (search report)

- [XA] EP 0271295 A2 19880615 - BACHAR RAPHAEL
- [XA] BE 432566 A
- [X] BE 412223 A 19360130
- [A] DE 4321596 A1 19950112 - RONEN SAMUEL [IL], et al
- [A] DE 9420105 U1 19950202 - VILED A GMBH [DE]
- [A] US 4712268 A 19871215 - HEINONEN AARO [FI]
- [A] DE 3505973 A1 19860821 - SCHLERF CORONET WERKE [DE]
- [A] DE 587847 C 19331109 - OSKAR LIEBECK DR
- [A] DE 9402579 U1 19950316 - CORONET WERKE GMBH [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 10 31 October 1996 (1996-10-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 06 22 September 2000 (2000-09-22)

Cited by

CN111449590A; KR101024029B1; ES2342752A1; EP3569132A1; WO2014102448A1; EP3662806A1; DE102018131045A1

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

DOCDB simple family (publication)

**EP 1529480 A1 20050511**; **EP 1529480 B1 20131211**; FI 20031629 A0 20031110

DOCDB simple family (application)

**EP 04396072 A 20041012**; FI 20031629 A 20031110