

Title (en)

APPARATUS FOR APPLICATION OF MATERIALS FOR CLEANING AND MAINTAINING FLOORS

Publication

**EP 0292901 A3 19890628 (DE)**

Application

**EP 88108191 A 19880521**

Priority

DE 3718141 A 19870529

Abstract (en)

[origin: ES1006456U] Device for applying media to clean and maintain the floor, especially emulsion self-polishing, using a flush floor (1) attached to a handle (2) having a handle (7) collecting for the service a lining fregador or otherwise, wherein the handle of the apparatus (2) has fastened a storage container (3) for the cleaning or care to be carried out, carrying a line (6) to the floor (5) and the storage tank (3) has a filling funnel (11) always open, developed as block return, and a lock-out integrated piping (6) comprising a sleeve (4) fold for blocking. (Machine-translation by Google Translate, not legally binding)

IPC 1-7

**A47L 13/22**

IPC 8 full level

**A47L 13/22** (2006.01)

CPC (source: EP US)

**A47L 13/22** (2013.01 - EP US)

Citation (search report)

- [A] FR 2585555 A2 19870206 - MOUCHARD JEAN [FR]
- [A] US 2187671 A 19400116 - SUDDARTH LLOYD J
- [A] CH 18680 A 19000215 - HOFFMANN JAKOB [CH]
- [A] FR 1316710 A 19630201 - SOLITAIRE & SAPONITE REUNIS
- [A] US 2768401 A 19561030 - BECKER JOSEPH A, et al
- [A] DE 2341717 A1 19750227 - STAEHLE KG G
- [A] AT 218695 B 19611211 - HOBIGER FRIEDRICH, et al

Cited by

DE3940123A1; DE3940123C2; WO0121055A1; WO2008051975A2; US8807858B2; US9408517B2; WO2008051975A3

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