

Title (en)

Apparatus for dispensing pasty product on surfaces

Title (de)

Vorrichtung zum Verteilen von pastösem Material auf Oberflächen

Title (fr)

Dispositif d'application de produit pâteux sur des surfaces

Publication

EP 0687507 A3 19961120 (DE)

Application

EP 95109233 A 19950614

Priority

DE 4421230 A 19940617

Abstract (en)

[origin: EP0687507A2] A device for dispersing pastes onto surfaces comprises an applicator (11) made of thermoplastic elastomer which fits onto a tube or container of the paste, and has a continuous outlet channel through it. A claim is also made for an applicator (11) made of closed cell foam. <IMAGE>

IPC 1-7

B05C 17/00

IPC 8 full level

A45D 34/04 (2006.01); **A47L 23/05** (2006.01); **B05C 17/00** (2006.01); **B65D 47/42** (2006.01)

CPC (source: EP)

A45D 34/04 (2013.01); **A47L 23/05** (2013.01); **B05C 17/00** (2013.01); **B65D 47/42** (2013.01); **A45D 2200/1018** (2013.01)

Citation (search report)

- [X] US 4718889 A 19880112 - BLASIUS JR WILLIAM G [US], et al
- [XP] US 5336708 A 19940809 - CHEN JOHN Y [US]
- [X] US 2962743 A 19601206 - HENRIKSSON FRED E
- [X] US 2234558 A 19410311 - TOM HUSTON
- [X] US 3266079 A 19660816 - GILBERT SCHWARTZMAN
- [X] US 4312091 A 19820126 - CARDUS FRANCIS
- [A] GB 2097710 A 19821110 - SILVATRIM ASS
- [A] FR 1321281 A 19630315 - METAL BOX CO LTD
- [A] GB 1140053 A 19690115 - SCHWARTZMAN GILBERT
- [A] US 5064306 A 19911112 - GUERET JEAN-LOUIS [FR]
- [A] FR 2582569 A1 19861205 - PLOT MICHEL [FR]
- [A] US 3414360 A 19681203 - GILBERT SCHWARTZMAN
- [A] US 2307044 A 19430105 - TOM HUSTON
- [A] US 5299877 A 19940405 - BIRDEN DONALD [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 017, no. 700 (C - 1145) 21 December 1993 (1993-12-21)

Cited by

EP1496785A4; GB2460595A; GB2448577B; WO2008125982A3; US6572300B2; US8596898B2; US8632271B2; US8790033B2; WO0180684A3

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