

Title (en)  
BRUSH FOR APPLYING MATERIAL IN LIQUID OR EMULSION FORM

Publication  
**EP 0193299 B1 19891129 (EN)**

Application  
**EP 86300810 A 19860206**

Priority  
• JP 2204285 A 19850208  
• JP 9287785 A 19850430

Abstract (en)  
[origin: EP0193299A1] A brush for applying liquid or emulsion material such as toothpaste, hair-dye, cleaning material, etc., has a handle (2), a rod (3) having bristles, sponge, etc. at its head and a pumping mechanism (4) accommodated in the handle (2). The rod (3) is slidably held, at its rear end, by the main body (5) of the handle (2). The pumping mechanism (4) has an operational pipe (12), two forward and rear valve bodies (19, 20) and an operational bar (22) to control the open and close movements of the two valve bodies (19, 20). When the rod (3) is pushed rearward and thereafter released, the pumping mechanism (4) is operated so as to suck the material from a container (6) forming a part of the handle (2) and feed the sucked material to the head of the rod.

IPC 1-7  
**A46B 11/02**

IPC 8 full level  
**A46B 11/00** (2006.01); **A46B 11/02** (2006.01)

CPC (source: EP KR)  
**A46B 11/00** (2013.01 - KR); **A46B 11/0058** (2013.01 - EP)

Cited by  
EP0290873A3; FR2734695A1; GB2194728A; GB2372201A; GB2372201B; US5871297A; US5020930A; FR2629322A1; US6554520B2; US9743595B2; WO2014119977A1

Designated contracting state (EPC)  
CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0193299 A1 19860903; EP 0193299 B1 19891129**; AU 5332086 A 19860814; AU 588276 B2 19890914; BR 8600525 A 19861021; CN 1012935 B 19910626; CN 86101240 A 19860813; DE 3667132 D1 19900104; DK 160735 B 19910415; DK 160735 C 19910930; DK 61186 A 19860809; DK 61186 D0 19860207; FI 84013 B 19910628; FI 84013 C 19911010; FI 860495 A0 19860203; FI 860495 A 19860809; KR 860006236 A 19860909; KR 880001673 B1 19880906; NO 860392 L 19860811; NZ 215055 A 19870306

DOCDB simple family (application)  
**EP 86300810 A 19860206**; AU 5332086 A 19860207; BR 8600525 A 19860206; CN 86101240 A 19860207; DE 3667132 T 19860206; DK 61186 A 19860207; FI 860495 A 19860203; KR 860000876 A 19860207; NO 860392 A 19860205; NZ 21505586 A 19860205