

Title (en)

Brush for applying material in liquid or emulsion form.

Title (de)

Bürste zum Aufbringen von flüssigen oder emulsionsartigen Mitteln.

Title (fr)

Brosse pour appliquer un produit se présentant sous forme liquide ou d'émulsion.

Publication

**EP 0193299 A1 19860903 (EN)**

Application

**EP 86300810 A 19860206**

Priority

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- JP 9287785 A 19850430

Abstract (en)

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)

Citation (search report)

- [X] EP 0123518 A1 19841031 - ENDO SASUKE
- [Y] US 3248022 A 19660426 - LEON SCHULMAN, et al
- [Y] GB 1562817 A 19800319 - YOSHINO KOGYOSHO CO LTD

Cited by

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

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