

Publication

**EP 0941208 A4 19990915**

Application

**EP 97917858 A 19970403**

Priority

- JP 11018696 A 19960405
- US 9705616 W 19970403

Abstract (en)

[origin: WO9742124A1] A bellows pump with a depression nozzle head, comprising: a body cylinder (1) with a suction pipe (2) and a suction valve (3); the body cylinder including a bellows fitting portion (4) surrounding the suction valve; a bellows (5) having a lower fitted portion (6) fitted to the bellows fitting portion, an upper end fitting portion (7), a depression nozzle head (9) with a nozzle (10) on the front edge of the upper fitting portion such that a radial direction of the nozzle head with respect to the upper fitting portion may be constant; means (11) for regulating a constant radial direction, which is interposed between the bellows fitting portion and the lower end fitted portion (6), and an actuating cylinder (12) depending from the nozzle head and covering the bellows. The bellows pump is preferably used for hair care products such as shampoo products and conditioner products.

IPC 1-7

**B67D 5/40**

IPC 8 full level

**B05B 11/00** (2006.01); **B65D 47/34** (2006.01)

CPC (source: EP)

**B05B 11/1035** (2023.01); **B05B 11/1047** (2023.01)

Citation (search report)

- [YA] WO 9500253 A1 19950105 - PROCTER & GAMBLE [US]
- [YA] EP 0394750 A2 19901031 - MEGAPLAST DOSIERSYSTEME [DE]
- [A] EP 0171462 A2 19860219 - PFEIFFER ERICH GMBH & CO KG [DE]
- See also references of WO 9742124A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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