

Title (en)
LIQUID SPRAY DEVICE

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Application
EP 90122820 A 19901129

Priority
DE 4004653 A 19900215

Abstract (en)
[origin: EP0442058A2] The invention relates to a liquid spray device with an air pump (P) which is to be actuated via a handle (3) and whose overpressure air cushion forces out the liquid (5) when a headpiece-side outlet valve (4) is actuated and atomises it by mixing it with the liquid jet, and proposes, for the purpose of achieving a constructionally simple storage which dispenses with springs, forming between the removable headpiece (2) and an air pump handle (3) arranged at the opposite end a cartridge receiving space (11) which can be subjected to the air overpressure. As a result, a stable non-dribbling spray jet is obtained. <IMAGE>

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B05B 7/24; **B05B 11/06**

IPC 8 full level
B05B 7/24 (2006.01); **B05B 11/06** (2006.01)

CPC (source: EP US)
B05B 7/2427 (2013.01 - EP US); **B05B 11/06** (2013.01 - EP US)

Citation (search report)
• [Y] FR 2342915 A1 19770930 - HENRY RENE [FR]
• [Y] GB 299280 A 19281025 - WALTER ROY WEEKS
• [A] DE 3022913 A1 19811224 - BECKER ALFRED DIPL VOLKSW

Cited by
US5411183A; CN103826515A; CN106622750A; WO2018077320A1; US10758094B2

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