

Title (en)

Tamper-proof sprayer for liquids.

Title (de)

Originalitätsgesicherte Sprühvorrichtung.

Title (fr)

Vaporisateur inviolable.

Publication

**EP 0457252 A1 19911121 (EN)**

Application

**EP 91107743 A 19910514**

Priority

IT 2118390 U 19900515

Abstract (en)

A sprayer for liquids comprising a body (5) having a spray nozzle (4) at the front, rising from a base (6) applicable on the mouth of a container (2) by screwing down a threaded ring (9), in which means (15, 16) are foreseen between the ring (9) and the base (6), suitable for preventing the ring being unscrewed, a tubular appendix (7) projecting downwards from the base (6), bearing means (13) and/or (13'), suitable for engaging with corresponding complementary means (14) and/or (14') foreseen on the neck (8) of the container (2), for preventing any relative rotation between the sprayer and the container, an outer cover (17) being fitted unremovably onto the body (5) of the sprayer, bearing at the front a sealed door (18), inside of which a projection (24) is foreseen, intended for closing the spray nozzle (4). <IMAGE>

IPC 1-7

**B05B 11/00**

IPC 8 full level

**B05B 11/00** (2006.01)

CPC (source: EP)

**B05B 11/0005** (2013.01); **B05B 11/1045** (2023.01); **B05B 11/0032** (2013.01); **B05B 11/1057** (2023.01)

Citation (search report)

- [Y] FR 2081938 A1 19711210 - AFA CORP
- [Y] EP 0105000 A2 19840404 - ETHYL PROD [US]
- [A] FR 2382274 A1 19780929 - TADA TETSUYA [JP]
- [A] DE 8903592 U1 19890518

Cited by

KR100974873B1; GB2438713B; US8651335B2; WO2008131331A1; US7891588B2

Designated contracting state (EPC)

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**EP 0457252 A1 19911121**; **EP 0457252 B1 19941130**; DE 69105347 D1 19950112; DE 69105347 T2 19950720; ES 2067085 T3 19950316; IT 219553 Z2 19930318; IT 9021183 U1 19911116; IT 9021183 V0 19900515

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