

Title (en)

DEVICE AND METHOD FOR DOSING SMALL AMOUNTS OF LIQUID

Title (de)

VORRICHTUNG UND VERFAHREN ZUM DOSIEREN KLEINER FLÜSSIGKEITSMENGEN

Title (fr)

DISPOSITIF ET PROCEDE DE DOSAGE DE PETITES QUANTITES DE LIQUIDE

Publication

EP 1351766 B1 20050907 (DE)

Application

EP 02702254 A 20020110

Priority

- DE 10102152 A 20010118
- EP 0200186 W 20020110

Abstract (en)

[origin: US7396510B2] A microdosage device comprises a media reservoir used for accommodating a liquid to be dosed, a nozzle connected via a connecting channel to the media reservoir and adapted to be filled via said connecting channel with the liquid to be dosed, and a drive unit for applying, when actuated, to a liquid contained in the media reservoir and in the nozzle a force of such a nature that a substantially identical pressure will be exerted on said liquid contained in the media reservoir and in the nozzle. Flow resistances of the connecting channel and of the nozzle are dimensioned such that, in response to an actuation of the drive unit, a volumetric flow in the connecting channel will be small in comparison with a volumetric flow in the nozzle, said volumetric flow in the nozzle causing an ejection of the liquid to be dosed from an ejection opening of the nozzle.

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B01L 3/00

IPC 8 full level

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