

Title (en)

DOSING DEVICE FOR PROPORTIONALLY DOSING AN AUXILIARY LIQUID INTO A MAIN LIQUID

Title (de)

DOSIERVORRICHTUNG ZUM PROPORTIONALEN DOSIEREN EINER ZUSATZFLÜSSIGKEIT IN EINE HAUPTFLÜSSIGKEIT

Title (fr)

DOSEUR PROPORTIONNEL D'UN LIQUIDE AUXILIAIRE DANS UN LIQUIDE PRINCIPAL.

Publication

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Application

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Priority

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- IB 2011054948 W 20111107

Abstract (en)

[origin: WO2012063184A1] Proportional dosimeter comprising a metering body with a main liquid inlet (2) and an outlet (3), a hydraulic motor (4) housed in the body, actuated by the main liquid, and connected to a plunger piston (5) that moves in a first chamber (6), the piston plunger drawing in fluid in an outbound stroke, a check valve being provided to allow the liquid to pass to the interior volume of the body when the pressure in the first chamber exceeds a certain pressure, during the return stroke; the dosimeter comprises a second chamber (12) of variable volume bounded by a membrane (M) subjected to the pressure obtaining in the first chamber (6), the second chamber (12) comprising an intake orifice (20) for the auxiliary liquid and a delivery orifice (23) for the auxiliary liquid, this delivery orifice being connected by a pipe (26) to an injection chamber (S) situated downstream of the outlet of the dosimeter body.

IPC 8 full level

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CPC (source: EP US)

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