

Title (en)

SINGLE-USE INJECTOR CAPABLE OF PUMPING AND HAVING A FLEXURALLY ELASTIC HOUSING

Title (de)

PUMPFÄHIGER EINMALINJEKTOR MIT EINEM BIEGEELASTISCHEN GEHÄUSE

Title (fr)

INJECTEUR À USAGE UNIQUE À CAPACITÉ DE POMPAGE, DOTÉ D'UN BOÎTIER ÉLASTIQUE EN FLEXION

Publication

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Application

**EP 09796618 A 20091203**

Priority

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Abstract (en)

[origin: WO2010069470A1] The invention relates to a single-use injector comprising a housing (200) accommodating a mechanical spring energy reservoir (50), a cylinder/piston unit (100), a piston-actuating ram (60) and a trigger unit (80), the spring-loaded piston-actuating ram (60) being supported on the housing via support rods, draw hooks or elastic flexural beams. The housing of the injector consists of a thin-walled sheet metal part. Said sheet metal part supports the pretensioned spring energy reservoir and the cylinder/piston unit. The piston (111) of the cylinder/piston unit can be manually displaced by means of a pump rod (140). The single-use injector according to the invention is compact and has only few components, it is easy to handle and allows secure storage and functioning. The cylinder/piston unit can be filled when mounted.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2010069470A1

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