

Title (en)  
JET INJECTOR AND METHOD FOR ITS OPERATION AND PRODUCTION

Title (de)  
JET-INJEKTOR UND VERFAHREN ZUR SEINER BEDIENUNG UND HERSTELLUNG

Title (fr)  
INJECTEUR A JET ET METHODE D'UTILISATION ET DE FABRICATION DE CELUI-CI

Publication  
**EP 1556106 A1 20050727 (EN)**

Application  
**EP 03733812 A 20030627**

Priority  
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• SE 0202063 A 20020703

Abstract (en)  
[origin: WO2004004810A1] A jet injector comprising a housing (1) to be pressurized and holding a medical drug and which is defined by an enclosing periphery wall (3) and a bottom wall (4) having an internal surface (5) facing the interior of the housing (1) and opposite external surface (6). The bottom wall (4) has a through, truncated cone-shaped aperture (8) extending between said internal (5) and external (6) surfaces and through which said medical drug is expelled from the housing (1) and transformed into a thin jet stream (18) penetrating the skin of said person to be treated. An insert (9) having an essentially cone-shaped body (10) is arranged to be inserted into said housing (1) such that a portion (13) of said cone-shaped body (10), the periphery wall (39) of which is essentially congruent to the wall (12) of said aperture (8), is received in said aperture (8). At least one passage (7) is established between said portion (13) of said cone-shaped body (10) and the aperture wall (12) through which the medical drug is expelled from the housing (1). The drug then flows along said essentially cone-shaped body (10) to be delivered from the point (14) of the cone-shaped body (10) as a coherent, thin jet stream (18).

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IPC 8 full level  
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