Title (en)
   FUEL INJECTOR

Title (de)
   KRAFTSTOFFINJEKTOR

Title (fr)
   INJECTEUR DE CARBURANT

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Application
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Abstract (en)
   [origin: WO2013000635A1] The invention relates to a fuel injector (1; 1a; 1b), in particular for compression-ignition internal combustion engines, having a control valve (15) and a control chamber (8), wherein the control chamber (8) is connected via an outflow bore (25) to a valve chamber (16) of the control valve (15), wherein a valve bolt (20) is arranged in the valve chamber (16), wherein the valve bolt (20) is loaded into a closed position by the spring force of a compression spring (30) in a first position, in which closed position said valve bolt (20) interacts with a valve seat surface (41), wherein the compression spring (30) is arranged in a low-pressure region (27) which is sealed with respect to the valve chamber (16), wherein the opening stroke of the valve bolt (20) can be set for a second position, in which the valve bolt (20) is spaced apart from the valve seat surface (41), and wherein the valve bolt (20) is guided in the valve chamber (16) by a sealing sleeve (19) which encloses the valve bolt (20) radially. According to the invention, it is provided that the opening stroke of the valve bolt (20) is brought about by the valve bolt (20) bearing at least indirectly against the sealing sleeve (19).

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