

Title (en)  
HIGH-PRESSURE LINE

Title (de)  
HOCHDRUCKLEITUNG

Title (fr)  
CONDUITE HAUTE PRESSION

Publication  
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Application  
**EP 17723922 A 20170509**

Priority  
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Abstract (en)  
[origin: WO2017193224A1] The invention relates to a high-pressure line for conveying highly pressurised fluid to a consumer, in particular for supplying fuel under injection pressure to one or more injectors (14) of an internal combustion engine. The high-pressure line comprises a first (1), a second (2) and a third line section (3), through which line sections (1, 2, 3) the fluid flows consecutively in the intended operation of the high-pressure line, and which are all formed by a single-piece component (4) made of metal, wherein the first line section (1) and the third line section (3) each have a smaller flow cross-section than the second line section (2) arranged between same. With the high-pressure lines according to the invention, it is possible to form common-rail injection systems, which provide an individual store next to the injector for each injector in the region of the cylinder head, without injectors with integrated or built-on individual stores and with a correspondingly reduced space requirement, from which store same is supplied such that pressure oscillations in the system can be prevented as far as possible and a very good injection quality and long life span can be achieved.

IPC 8 full level  
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