

Title (en)  
INSTALLATION FOR THE PRESSURE-MODULATED FORMATION OF THE INJECTION BEHAVIOR

Title (de)  
EINRICHTUNG ZUR DRUCKMODULIERTEN FORMUNG DES EINSPRITZVERLAUFES

Title (fr)  
SYSTEME POUR MODULER EN PRESSION LE COMPORTEMENT D'INJECTION

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Application  
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Abstract (en)  
[origin: WO03074865A1] The invention relates to an installation for injecting fuel into the combustion chamber of a self-igniting combustion engine, comprising a control unit (6, 80) that impinges a spring-controlled injection device (56). Said spring-controlled injection device is provided with a jet needle (58) via which one or several injection ports (57) are opened or closed. The control unit (6, 80) comprises a first valve (10) and a second valve (11), each of which is provided with a pressure chamber (28, 36). Said pressure chambers (28, 36) are connected to each other via a pressure pipe (32, 81). The first valve (10) and second valve (11) are serially connected. The first valve (10) controls pressurization of the pressure chamber (36) of the second valve (11). The amount (91, 92) of injection pressure during the injection periods (86, 90) is controlled by the second valve (11).

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