

Title (en)  
INJECTION DEVICE FOR TWO FUELS CONTAINING ETHANOL, INTERNAL COMBUSTION ENGINE AND METHOD FOR OPERATING AN INJECTION DEVICE

Title (de)  
EINSPRITZVORRICHTUNG FÜR ZWEI KRAFTSTOFFE MIT ETHANOL, BRENNKRAFTMASCHINE UND VERFAHREN ZUM BETRIEB EINER EINSPRITZVORRICHTUNG

Title (fr)  
DISPOSITIF D'INJECTION POUR DEUX CARBURANTS COMPRENANT DE L'ÉTHANOL, MOTEUR À COMBUSTION INTERNE ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN DISPOSITIF D'INJECTION

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Application  
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Abstract (en)  
[origin: WO2012089388A1] The invention relates to an injection device (1') for an internal combustion engine (1), comprising a first injection assembly (3) for injecting fuel (4) of a first fuel composition, and a second injection assembly (5) for injecting fuel (6) of a second fuel composition having a lower ethanol content than the first fuel composition, the first injection assembly (3) comprising at least one first injection valve (7) for injecting fuel (4) of the first fuel composition both in the direction of a first inlet opening (10) of a combustion chamber (2) of the internal combustion engine (1) and in the direction of a second inlet opening (20) of the combustion chamber (2), wherein the injection device is characterized in that the second injection assembly (5) comprises a second injection valve (12) for injecting fuel (6) of the second fuel composition essentially only in the direction of the first inlet opening (10) and a separate third injection valve (22) for injecting fuel (6) of the second fuel combination essentially only in the direction of the second inlet opening (20).

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