

Title (en)  
METHOD AND DEVICE FOR MEASURING THE INJECTION QUANTITY AND THE INJECTION RATE OF AN INJECTION VALVE FOR LIQUIDS

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR MESSUNG DER EINSPRITZMENGE UND DER EINSPRITZRATE EINES EINSPRITZVENTILS FÜR FLÜSSIGKEITEN

Title (fr)  
PROCEDE ET DISPOSITIF DE MESURE DE LA QUANTITE D'INJECTION ET DU TAUX D'INJECTION D'UNE SOUPE D'INJECTION POUR DES LIQUIDES

Publication  
**EP 1954938 A1 20080813 (DE)**

Application  
**EP 06807073 A 20061009**

Priority  
• EP 2006067181 W 20061009  
• DE 102005056153 A 20051123

Abstract (en)  
[origin: DE102005056153A1] Method involves injection of liquid by the injection valve (3) in the measuring volume (1). The method also involves measurement of the pressure in the measuring volume by means of the pressure sensor (20) during the injection and recording these measuring values. The speed of sound is determined in the measuring volume before and after the injection. The method involves determination of the injected test liquid quantity from the pressure measuring values and the speed of sound dependent on pressure. An independent claim is included for measuring the injection quantity and the injection rate of an injection valve for liquids.

IPC 8 full level  
**F02M 65/00** (2006.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 2007060055A1

Cited by  
CN111946517A; DE102011081544A1

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