

Title (en)

METHOD AND DEVICE FOR CHARACTERISING A RETURN STROKE OF INJECTORS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR LEERHUBERKENNUNG VON INJEKTOREN

Title (fr)

PROCEDE ET DISPOSITIF DE DETECTION DE COURSE A VIDE D'INJECTEURS

Publication

EP 1789675 A1 20070530 (DE)

Application

EP 05777858 A 20050721

Priority

- EP 2005053554 W 20050721
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Abstract (en)

[origin: WO2006029931A1] The invention relates to a method and device for characterising the return stroke of injectors, in particular piezo-injectors of an internal combustion engine provided with a common rail system. When the internal combustion engine is switched off, a constant pressure is dropped in the rail, thereby making it possible to measure the rail pressure and to adjust the injectors by corresponding power. The actuating power is increased until a discontinuity in a temporal progression of rail pressure occurs. The actuating energy applied for said state and a pressure available in the make it possible to measure the return stroke of corresponding injector.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2006029931A1

Cited by

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WO 2006029931 A1 20060323; CN 100504061 C 20090624; CN 101018945 A 20070815; DE 102004044450 B3 20060406; DE 502005004537 D1 20080807; EP 1789675 A1 20070530; EP 1789675 B1 20080625; US 2007204832 A1 20070906; US 7406861 B2 20080805

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EP 2005053554 W 20050721; CN 200580030782 A 20050721; DE 102004044450 A 20040914; DE 502005004537 T 20050721; EP 05777858 A 20050721; US 68595707 A 20070314