

Title (en)  
METHOD AND DEVICE FOR EXAMINING AND/OR ADJUSTING VALVES

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR PRÜFUNG UND/ODER EINSTELLUNG VON VENTILEN

Title (fr)  
PROCEDE ET DISPOSITIF D'EXAMEN ET/OU DE REGLAGE DE SOUPAPES

Publication  
**EP 0880732 A1 19981202 (DE)**

Application  
**EP 97909134 A 19970917**

Priority  
• DE 9702081 W 19970917  
• DE 19648689 A 19961125

Abstract (en)  
[origin: DE19648689A1] The present invention pertains to a method and a device for examining and/or adjusting valves, especially injector valves in an internal combustion engine. The valve is activated by means of an agreed control signal in order for a signal (QK) characterizing the fuel flow to be determined. The activating element is a gas. A first quantity (QPN) characterizing the gas flow and/or a second quantity (IAN, IAB) is determined.

IPC 1-7  
**G05D 7/00**; **F02M 59/46**; **F02M 47/02**; **F02D 41/30**; **F01L 3/06**; **F01L 9/02**

IPC 8 full level  
**F01L 3/06** (2006.01); **F01L 9/02** (2006.01); **F02D 41/30** (2006.01); **F02M 47/02** (2006.01); **F02M 59/46** (2006.01); **F02M 65/00** (2006.01); **F16K 31/06** (2006.01); **G05D 7/00** (2006.01); **G05D 7/06** (2006.01)

CPC (source: EP US)  
**F02M 65/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 9824014A1

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**DE 19648689 A1 19980528**; CN 1147766 C 20040428; CN 1208476 A 19990217; DE 59701133 D1 20000323; EP 0880732 A1 19981202; EP 0880732 B1 20000216; ES 2143853 T3 20000516; JP 2000504389 A 20000411; JP 4083230 B2 20080430; KR 100504414 B1 20051031; KR 19990081928 A 19991115; RU 2189488 C2 20020920; US 6311553 B1 20011106; WO 9824014 A1 19980604

DOCDB simple family (application)  
**DE 19648689 A 19961125**; CN 97191721 A 19970917; DE 59701133 T 19970917; DE 9702081 W 19970917; EP 97909134 A 19970917; ES 97909134 T 19970917; JP 52411398 A 19970917; KR 19980705642 A 19980723; RU 98115843 A 19970917; US 11715299 A 19990318