Title (en)
  Method and device for compensating the drift of an injector for an internal combustion engine with direct injection

Title (de)
  Verfahren zur Driftkompensation eines Injektors für die direkte Kraftstoffeinspritzung in einen Zylinder einer Brennkraftmaschine sowie Vorrichtung

Title (fr)
  Méthode et dispositif pour compenser la dérive d'un injecteur dans un moteur à combustion interne à injection directe

Publication
  EP 1526267 A3 20100728 (DE)

Application
  EP 04104138 A 20040830

Priority
  • DE 102004040770 A 20040823
  • DE 10358703 A 20031215
  • DE 10348913 A 20031021

Abstract (en)
  [origin: EP1526267A2] The method involves injecting a defined amount of fuel. A correction value is determined, where the correction value is applied to a value range of an operating parameter e.g. rail pressure, of an internal combustion engine. The complete range of values of the operating parameter is subdivided into discrete sections using a control unit (10), where an operating point is specified for each section. An independent claim is also included for a device for drift compensation of an injector.

IPC 8 full level
  F02D 41/12 (2006.01); **F02D 41/14** (2006.01); **F02D 41/24** (2006.01)

CPC (source: EP US)
  F02D 41/2441 (2013.01 - EP US); **F02D 41/2467** (2013.01 - EP US); F02D 41/2416 (2013.01 - EP US); F02D 2200/0602 (2013.01 - EP US)

Citation (search report)
  • [XP] EP 1388661 A2 20040211 - FIAT RICERCHE [IT]
  • [X] DE 10218552 A1 20021031 - DENSO CORP [JP]
  • [XP] WO 2004053316 A1 20040624 - SIEMENS AG [DE], et al
  • [XA] WO 03031787 A1 20030417 - BOSCH GMBH ROBERT [DE], et al

Cited by
  DE102010022269A1; DE102010022269B4; DE102006015968B3; DE102007000211B4; CN110857666A; EP2336534A1; DE102006007786B3; DE102006039378A1; DE102009009270A1; EP1862659A1; FR2901848A1; US7861693B2; WO2011073147A1

Designated contracting state (EPC)
  AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
  AL HR LT LV MK

DOCDB simple family (publication)
  EP 1526267 A2 20050427; **EP 1526267 A3 20100728**; US 2005085990 A1 20050421; US 7069138 B2 20060627

DOCDB simple family (application)
  EP 04104138 A 20040830; US 96407204 A 20041013