

Title (en)

METHOD FOR THE DIAGNOSIS OF A DROP IN LOAD

Title (de)

VERFAHREN ZUR DIAGNOSE EINES LASTABFALLS

Title (fr)

PROCÉDÉ POUR DIAGNOSTIQUER DES PERTES DE CHARGE

Publication

EP 2294302 A1 20110316 (DE)

Application

EP 09753754 A 20090422

Priority

- EP 2009054791 W 20090422
- DE 102008001971 A 20080526

Abstract (en)

[origin: WO2009144099A1] The invention relates to a method for diagnosing a drop in load on a piezo actuator in an injection arrangement. In said diagnostic method, a voltage is measured and is compared with a threshold voltage (24). There is a drop in load if the measured voltage is greater than the threshold voltage (24). The invention further relates to an arrangement for diagnosing a drop in load on a piezo actuator in an injection arrangement, a computer program, and a computer program product.

IPC 8 full level

F02D 41/20 (2006.01); **F02D 41/22** (2006.01); **H01L 41/04** (2006.01)

CPC (source: EP US)

F02D 41/2096 (2013.01 - EP US); **F02D 41/22** (2013.01 - EP US); **F02D 2041/2051** (2013.01 - EP US); **F02D 2041/2089** (2013.01 - EP US)

Citation (search report)

See references of WO 2009144099A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102008001971 A1 20091203; CN 102046950 A 20110504; CN 102046950 B 20150617; EP 2294302 A1 20110316;
JP 2011521171 A 20110721; JP 5175386 B2 20130403; KR 101571918 B1 20151125; KR 20110021809 A 20110304;
US 2011140685 A1 20110616; WO 2009144099 A1 20091203

DOCDB simple family (application)

DE 102008001971 A 20080526; CN 200980118929 A 20090422; EP 09753754 A 20090422; EP 2009054791 W 20090422;
JP 2011510922 A 20090422; KR 20107026391 A 20090422; US 73684809 A 20090422