Title (en)
Method of calculating a target voltage for a piezoelectric element

Title (de)
Verfahren zur Spannungssollwertberechnung eines piezoelektrischen Elementes

Title (fr)
Méthode de calcul de la tension prédéterminée d'un élément piézoélectrique

Publication
EP 1311004 B1 20070912 (DE)

Application
EP 02021151 A 20020924

Priority
DE 10155389 A 20011110

Abstract (en)
[origin: EP1311004A2] A multiplier (30) uses a temperature (16) for a piezoelectric element (10) to adjust a voltage set-point (14). An adjusted voltage set-point (28) to be calculated is formed from a voltage set-point (14) through multiplication with an adjustment value/multiplier (24) and/or through addition with an adjustment value/summand. The multiplier/summand are formed from specific data for the piezoelectric element and for tolerances in an injector.

IPC 8 full level
H01L 41/04 (2006.01); **F02D 41/20** (2006.01); **F02D 41/24** (2006.01); **F02D 41/38** (2006.01); **H02N 2/06** (2006.01)

CPC (source: EP US)
F02D 41/2096 (2013.01 - EP US); F02D 41/2467 (2013.01 - EP US); F02D 41/3809 (2013.01 - EP US); F02D 2200/0602 (2013.01 - EP US)

Cited by
GB2399656A; GB2399656B; DE102004028612B4; US6986339B2; WO2010133413A1; DE102009003176A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1311004 A2 20030514; **EP 1311004 A3 20051116**; **EP 1311004 B1 20070912**; DE 10155389 A1 20030522; DE 50210881 D1 20071025; JP 2003148213 A 20030521; US 2003111934 A1 20030619; US 6867531 B2 20050315

DOCDB simple family (application)
EP 02021151 A 20020924; DE 10155389 A 20011110; DE 50210881 T 20020924; JP 2002324218 A 20021107; US 29211202 A 20021111