

Title (en)
Electronic throttle control system

Title (de)
Elektronisches Drosselklappensteuerungssystem

Title (fr)
Système de commande électronique de papillon

Publication
EP 1136681 A3 20030806 (EN)

Application
EP 01301438 A 20010219

Priority
US 53427600 A 20000324

Abstract (en)
[origin: EP1136681A2] An electronic throttle control system is described where a throttle position sensor has multiple slopes depending on the operating region. At low throttle positions, a greater slope, and thus a greater sensitivity is provided, thereby increasing control resolution. At greater throttle positions, a lower slope, and thus lower sensitivity is provided. In this way, an output signal that varies across the entire operating region of the throttle is provided for monitoring and control, while improved performance at low throttle angles can be simultaneously achieved. A method for learning a transition region is also described. <IMAGE>

IPC 1-7
F02D 11/10

IPC 8 full level
F02D 11/10 (2006.01)

CPC (source: EP)
F02D 11/105 (2013.01)

Citation (search report)
• [XY] US 4718272 A 19880112 - PLAPP GUENTHER [DE]
• [Y] US 5452697 A 19950926 - SASAKI YASUSHI [JP], et al
• [YA] US 4901695 A 19900220 - KABASIN DANIEL F [US], et al
• [A] DE 4335913 A1 19950427 - BOSCH GMBH ROBERT [DE]
• [A] DE 4004083 A1 19910814 - BOSCH GMBH ROBERT [DE]

Cited by
EP1731721A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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