

Title (en)
Method and apparatus for controlling at least one electromagnetic valve

Title (de)
Verfahren und Vorrichtung zur Steuerung wenigstens eines Magnetventils

Title (fr)
Méthode et dispositif pour commander au moins une soupape électromagnétique

Publication
EP 0985814 A3 20010314 (DE)

Application
EP 99107944 A 19990422

Priority
DE 19833830 A 19980728

Abstract (en)
[origin: DE19833830A1] At the start of energizing the magnetic valve it is put under booster voltage, increased with respect to the rest of the energizing process. At least one magnitude, affecting the energy and/or the power applied to the magnetic valve at the start of energizing, can be preset in dependence of at least one operational magnitude of the IC engine. An Independent claim is included for the energizing mechanism.

IPC 1-7
F02D 41/20

IPC 8 full level
F02M 51/06 (2006.01); **F02D 41/20** (2006.01); **H01F 7/18** (2006.01)

CPC (source: EP US)
F02D 41/20 (2013.01 - EP US); **H01F 7/1816** (2013.01 - EP US); **F02D 2041/2006** (2013.01 - EP US); **F02D 2041/201** (2013.01 - EP US); **F02D 2041/2027** (2013.01 - EP US); **F02D 2041/2044** (2013.01 - EP US); **F02D 2041/2058** (2013.01 - EP US); **F02D 2041/2075** (2013.01 - EP US)

Citation (search report)
• [XY] US 4355619 A 19821026 - WILKINSON JOHN R
• [X] EP 0305344 A1 19890301 - MARELLI AUTRONICA [IT]
• [Y] EP 0849461 A2 19980624 - TOYOTA MOTOR CO LTD [JP]
• [PX] US 5839412 A 19981124 - STOCKNER ALAN R [US], et al

Cited by
CN111757975A; CN107448310A; EP1201898A1; US6332455B1; WO2004005687A1

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