

Title (en)
Linear Valve Actuator System and Method for Controlling Valve Operation

Title (de)
LINEARVENTILAKTUATORSYSTEM UND VERFAHREN ZUR STEUERUNG DES VENTILBETRIEBS

Title (fr)
SYSTÈME D'ACTIONNEUR DE SOUPAPE LINÉAIRE ET PROCÉDÉ DE COMMANDE D'ACTIONNEMENT DE SOUPAPE

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Application
EP 14834447 A 20140806

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Abstract (en)
[origin: WO2015021163A2] The system, according to one embodiment of the present invention, comprises a stationary coil linear motor to drive a valve with a stem comprising a ferromagnetic property. The linear motor moves the valve in response to control governed by an electronic valve control computer. The valve is movable between a closed position at a selectable rate of both acceleration and speed for a selectable distance ("lift") to a second selectable open position, including all position variations between the fully open and fully closed states. Valve position, velocity and acceleration can be varied both during a valve stroke and from one stroke to the next, as controlled by the logic programmed on a non-transitive memory of the electronic valve control computer.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [XY] US 2003168030 A1 20030911 - MURAJI TETSUO [JP]
• [XY] US 2012167849 A1 20120705 - HUTCHINS RICHARD H [US], et al
• [XY] US 2007044741 A1 20070301 - DANIEL D S [US]
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• [Y] US 2002145124 A1 20021010 - KABASIN DANIEL FRANCIS [US], et al
• See references of WO 2015021163A2

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