

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

Publication

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Application

EP 14834447 A 20140806

Priority

- US 201313963764 A 20130809
- US 2014049953 W 20140806

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

F01L 9/20 (2021.01); **F16K 31/06** (2006.01)

CPC (source: EP)

F01L 9/20 (2021.01)

Citation (examination)

- US 6390443 B1 20020521 - KATAYAMA YOSHITADA [JP], et al
- US 2005126521 A1 20050616 - SIMPSON ROGER T [US]

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DOCDB simple family (publication)

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