

Title (en)

SYSTEM FOR VARYING CYLINDER VALVE TIMING IN AN INTERNAL COMBUSTION ENGINE

Title (de)

SYSTEM ZUR VERÄNDERUNG DER ZYLINDERVENTILSTEUERZEITEN EINES VERBRENNUNGSMOTORS

Title (fr)

SYSTÈME DESTINÉ À FAIRE VARIER LA SYNCHRONISATION DES SOUPAPES DE CYLINDRE DANS UN MOTEUR À COMBUSTION INTERNE

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3121396A1] A control system for varying cylinder valve timing of an internal combustion engine is provided. The control system includes a cam phase actuator having first and second actuator ports to adjust a rotational phase of a camshaft relative to a crankshaft, a first control valve, a second control valve, and a dynamic regeneration valve. In one embodiment, the dynamic regeneration valve is configured to enable the cam phase actuator to switch between operating in an oil pressure actuated mode and a cam torque actuated mode when adjusting the rotational phase of the camshaft relative to the crankshaft.

IPC 8 full level

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