

Title (en)

COMPRESSION RELEASE ENGINE RETARDER FOR MULTI-CYLINDER INTERNAL COMBUSTION ENGINES

Publication

EP 0111232 B1 19860604 (EN)

Application

EP 83111861 A 19831126

Priority

US 44835082 A 19821209

Abstract (en)

[origin: EP0111232A1] A compression release engine retarder for a multi-cylinder four-stroke cycle engine is disclosed. The retarder incorporates an hydraulic pulse generator (85) which in one embodiment comprises a multi-chamber positive displacement pump of the piston (146) and cylinder (144) type which is positively driven at engine speed or at half engine speed in synchronism with the engine crankshaft (86). Means (84,96,97) are provided to adjust the timing of the hydraulic pulses so as to control precisely the opening of the engine exhaust valves and to maximize the compression release retarding power developed by the engine. Additional means (182,184,186,188,190,192,194) are provided to control the timing of the hydraulic pulses in response to the boost pressure in the engine inlet manifold produced by the engine turbocharger.

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IPC 8 full level

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CPC (source: EP KR)

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