

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE INTERNAL CYLINDER SURFACE TEMPERATURE OF AN INTERNAL-COMBUSTION ENGINE

Publication

EP 0176430 B1 19890125 (FR)

Application

EP 85401783 A 19850916

Priority

FR 8414452 A 19840920

Abstract (en)

[origin: US4662321A] The present invention provides a method of regulating the temperature of the inside surface of cylinder liners in an internal combustion engine (e.g. a diesel engine) which is cooled by a flow of cooling fluid, the method including the improvement whereby the temperature of the cooling fluid is regulated in such a manner as to maintain the temperature of the inside surface of the cylinder liners at a reference temperature, regardless of the engine load. The invention also provides apparatus for performing the above method. The apparatus includes temperature sensors (6) situated in the thickness of the liner (1) walls between the inside surfaces thereof (1') and the cooling fluid flow ducts (10) passing through the wall.

IPC 1-7

F01P 11/06; **F02B 77/04**; **F01P 7/14**

IPC 8 full level

F01P 7/16 (2006.01); **F01P 3/02** (2006.01); **F01P 7/14** (2006.01); **F01P 11/06** (2006.01); **F02B 77/04** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP US)

F01P 3/02 (2013.01 - EP US); **F01P 7/14** (2013.01 - EP US); **F01P 11/06** (2013.01 - EP US); **F02B 77/04** (2013.01 - EP US); **F01P 2003/021** (2013.01 - EP US); **F01P 2011/066** (2013.01 - EP US); **F01P 2025/31** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US)

Citation (examination)

GB 2019490 A 19791031 - SULZER AG

Cited by

CN107882634A; EP0814243A1

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0176430 A1 19860402; **EP 0176430 B1 19890125**; BR 8504618 A 19860715; DE 3567937 D1 19890302; DK 158240 B 19900416; DK 158240 C 19900924; DK 425685 A 19860321; DK 425685 D0 19850919; FI 82292 B 19901031; FI 82292 C 19950117; FI 853591 A0 19850918; FI 853591 L 19860321; FR 2570439 A1 19860321; FR 2570439 B1 19890331; JP S6183447 A 19860428; US 4662321 A 19870505

DOCDB simple family (application)

EP 85401783 A 19850916; BR 8504618 A 19850920; DE 3567937 T 19850916; DK 425685 A 19850919; FI 853591 A 19850918; FR 8414452 A 19840920; JP 20770185 A 19850919; US 77562885 A 19850913