

Title (en)
Internal combustion engine, method for operating an internal combustion engine, cylinder, cylinder liner and closing plate for an internal combustion engine

Title (de)
Brennkraftmaschine, Verfahren zum Betrieb einer Brennkraftmaschine, Zylinder, Zylinderbuchse und Schließplatte für eine Brennkraftmaschine

Title (fr)
Moteur à combustion interne, procédé pour faire fonctionner un moteur à combustion interne, cylindre, chemise de cylindre et plaque de fermeture pour un moteur à combustion interne

Publication
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Application
EP 15154075 A 20150206

Priority
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Abstract (en)
An internal combustion engine (1) and corresponding method, cylinder, closing plate, cylinder and kit of parts, in particular a two-stroke engine, preferably a diesel two stroke engine, which comprises at least one piston (10) arranged in a cylinder (11). Said piston (10) and said cylinder (11) define a variable combustion chamber (101) and a variable second chamber (102). The variable combustion chamber (101) is fluidly connectable to the compressor side of a turbocharger (2,2') via at least one inlet opening (111) and to the turbine side of the turbo charger (2,2') via an exhaust opening (112). The second chamber (102) is fluidly connectable to the compressor side of the turbocharger (2,2') to introduce a compressed air flow into the second chamber (102). The compressed air flow is interruptible such that the second chamber (102) is disconnected from the turbocharger (2, 2') and the second chamber (102) comprises an outlet opening (113) for reducing a pressure of the second chamber (102). The outlet opening (113) preferably comprises a controllable chamber valve.

IPC 8 full level
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Citation (applicant)
CH 414265 A 19660531 - SULZER AG [CH]

Citation (search report)
• [X] FR 2884558 A1 20061020 - DESCLAUX MICHEL [FR]
• [X] GB 2149006 A 19850605 - AUTOROOF LTD
• [X] DE 4216565 A1 19921210 - VOLKSWAGEN AG [DE]
• [X] US 4250844 A 19810217 - TEWS JAN H
• [A] EP 0481690 A2 19920422 - SAMPOWER OY [FI]

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