

Title (en)

Combustion engine with four cylinders arranged in a row

Title (de)

Brennkraftmaschine mit mindestens vier in Reihe angeordneten Zylindern

Title (fr)

Moteur à combustion interne doté de quatre cylindres agencés en série

Publication

**EP 2532869 B1 20230913 (DE)**

Application

**EP 11169411 A 20110610**

Priority

EP 11169411 A 20110610

Abstract (en)

[origin: EP2532869A1] The method involves separating two partial exhaust gas pipes (6) and exhaust gas pipes (5) of an inner cylinder from each other, and projecting the pipes into an exhaust gas guide system. Exhaust gas pipes of an outer cylinder and the exhaust gas pipes of the inner cylinder within a cylinder head (1) are guided together to the partial exhaust gas pipes. A cylinder is ignited in a sequence 1 - 2 - 4 - 3. The cylinder is counted and numbered from the outer cylinder in the sequence along a longitudinal axis (2) of the cylinder head. An independent claim is also included for an internal combustion engine.

IPC 8 full level

**F02F 1/24** (2006.01); **F01N 13/10** (2010.01); **F02B 37/02** (2006.01)

CPC (source: EP RU US)

**F01N 13/10** (2013.01 - EP RU US); **F01N 13/107** (2013.01 - EP RU US); **F02B 75/20** (2013.01 - EP RU US); **F02F 1/243** (2013.01 - EP RU US); **F01N 13/1805** (2013.01 - EP US); **F02B 27/04** (2013.01 - EP US); **F02B 2075/1816** (2013.01 - EP US)

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DOCDB simple family (publication)

**EP 2532869 A1 20121212**; **EP 2532869 B1 20230913**; CN 102817739 A 20121212; CN 102817739 B 20160928; EP 2532870 A1 20121212; RU 2012124240 A 20131220; RU 2606464 C2 20170110; US 2012312002 A1 20121213; US 9080510 B2 20150714

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