

Title (en)
Distribution system for internal combustion engine

Title (de)
Ventiltrieb einer Brennkraftmaschine

Title (fr)
Mécanisme de distribution pour un moteur à combustion interne

Publication
EP 1344899 A2 20030917 (EN)

Application
EP 03425148 A 20030311

Priority
IT LE20020011 A 20020314

Abstract (en)
The object of the invention is a distribution for the four-stroke engines, made up of guillotine valves (1) parallelly placed to the axis of the cylinder (9) and over the heading, or horizontally placed to this last one. The valves (1) move in a rectilinear and reciprocating motion. <??>There is the possibility to inject the fuel practically to the inside of the cartridge chamber, when the suction-valve is lightly opened, and to cool completely the heading that, free from valves and conduits, can fully be crossed by the freezing-liquid. In a variant, they could also be horizontally placed on the top of the heading. They can also be two for each conduit and both mobile. Their task is to vary the diameter and the section of the relative conduits when the motor's operating regime changes. The object of the invention is a distribution for the four-stroke engines, made up of guillotine valves (1) parallelly placed to the axis of the cylinder (9) and over the heading, or horizontally placed to this last one. The valves (1) move in a rectilinear and reciprocating motion. <??>There is the possibility to inject the fuel practically to the inside of the cartridge chamber, when the suction-valve is lightly opened, and to cool completely the heading that, free from valves and conduits, can fully be crossed by the freezing-liquid. In a variant, they could also be horizontally placed on the top of the heading. They can also be two for each conduit and both mobile. Their task is to vary the diameter and the section of the relative conduits when the motor's operating regime changes. <IMAGE> <IMAGE>

IPC 1-7
F01L 7/02; **F01L 5/02**

IPC 8 full level
F01L 5/02 (2006.01); **F01L 13/00** (2006.01); **F01L 13/06** (2006.01); **F02D 9/04** (2006.01); **F02M 35/10** (2006.01)

CPC (source: EP)
F01L 5/02 (2013.01); **F01L 13/0015** (2013.01); **F01L 13/06** (2013.01); **F02M 35/10118** (2013.01); **F02M 35/10301** (2013.01); **F02D 9/04** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1344899 A2 20030917; **EP 1344899 A3 20031126**; IT LE20020011 A1 20030915

DOCDB simple family (application)
EP 03425148 A 20030311; IT LE20020011 A 20020314