

Title (en)

PRESSURE CHANGE-OVER VALVE FOR MUTUAL OPERATION BETWEEN PRESSURE RECEIVING PISTONS

Publication

EP 0557520 A4 19931020 (EN)

Application

EP 90916825 A 19901116

Priority

JP 9001495 W 19901116

Abstract (en)

[origin: WO9208884A1] A pressure change-over valve disposed in a liquid passage for operating pressure-receiving pistons in order to permit mutual operations between the pressure-receiving pistons of a combustion promotion apparatus of an internal combustion engine. A rotary disc (4) or a rotary shaft (1) rotating with the revolution of the engine is provided with pressure change-over portions (12) and (15) (or 9 and 10 in Fig. 9), and pressure change-over holes (5), (6), (7) and (8) communicating with the operation portion of the pressure-receiving piston (5A) of the combustion promotion apparatus are provided in the outer portion (2) and (3) of the rotary disc (or the rotary shaft). The liquid which is discharged when one of the pressure-receiving pistons (5A) performs a main operation (B) is sent to another pressure-receiving piston through the pressure change-over valve and the pressure-receiving piston is operated reversely (A).

IPC 1-7

F02B 23/00

IPC 8 full level

F02D 15/04 (2006.01)

CPC (source: EP)

F02D 15/04 (2013.01)

Citation (search report)

- [A] GB 859764 A 19610125 - RAYMOND GEORGES
- [A] FR 2397530 A1 19790209 - PEUGEOT [FR]
- See references of WO 9208884A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

WO 9208884 A1 19920529; EP 0557520 A1 19930901; EP 0557520 A4 19931020

DOCDB simple family (application)

JP 9001495 W 19901116; EP 90916825 A 19901116