

Title (en)

MULTICYLINDER RECIPROCATING-PISTON MACHINE, IN PARTICULAR INTERNAL-COMBUSTION ENGINE

Publication

EP 0223248 B1 19901003 (DE)

Application

EP 86116066 A 19861120

Priority

DE 3541315 A 19851122

Abstract (en)

[origin: EP0223248A2] 1. A multi-cylinder reciprocating-piston machine, especially an internal combustion engine, - with a crankshaft (2) and a cam shaft (6) driven thereby to actuate gas-change valves, - wherein the crankshaft and the cam shaft are arranged with their axes of rotation in a joint plane (9) of a longitudinally-divided machine housing (10) with cylinders (11, 12) provided on both sides of the joint plane (double-piston engine 1), and - in addition a reduction gear (3) for the driving of the cam shaft (6) by the crankshaft (2) is arranged in an end region of the machine housing (10), - wherein on the other side of a wheel (5) of the reduction gear (3), connected with the cam shaft (6) and rotating with half the rotational speed of the crankshaft (2), a coupling is provided for a further connection which is secure with regard to rotation, characterised in that - the coupling (18) is connected with a primary shaft (7) of a gearing unit (8) which is able to be arranged on the reciprocating-piston machine (1), and - the gearing unit (8) comprises a housing (13) which is divided in the joint plane (9) of the machine housing (10), - wherein each part or, respectively, each half of the gear housing (13) is connected with the adjacent part or respectively the adjacent half of the machine housing (10).

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