

Title (en)

Air compressor with opposed compression chambers.

Title (de)

Luftkompressor mit gegenüber liegenden Verdichtungskammern.

Title (fr)

Compresseur d'air à chambres de compression opposées.

Publication

EP 0127585 A2 19841205 (EN)

Application

EP 84830064 A 19840312

Priority

IT 336583 A 19830311

Abstract (en)

An air compressor includes: an engine provided with a shaft (71); a case (1) for the said engine; a basement (15) provided with two opposite cylinders (37a, 37b), to which two heads (38a, 38b) are made integral; a piston (7) moving inside said cylinders under the effect of a connecting rod (6) and a crank (7), driven by the said shaft (71); a suction chamber (47a, 47b), for intaking air into each head (38a, 38b); a path for intaken air, connecting each chamber (47a, 47b), to a cavity (16), where an air filter (22) is accommodated, and opening into atmosphere through silencers; an element (21) connecting the said basement (15) to the said cavity (16); a compression chamber (47a, 47b) for air, located inside each head (38a, 38b); a path for air compressed by the said compression chambers (47a, 47b) to one user; a fan (80) for delivering cooling air to the compressor through two pipes (81a, 81b); supporting elements (88a, 88b) for the said compressor and the said engine.

IPC 1-7

F04B 27/02

IPC 8 full level

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CPC (source: EP)

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EP 0127585 A2 19841205; **EP 0127585 A3 19850828**; **EP 0127585 B1 19881005**; IT 1228584 B 19910624; IT 8303365 A0 19830311

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