

Title (en)  
AIR COMPRESSOR WITH OPPOSED COMPRESSION CHAMBERS

Publication  
**EP 0127585 A3 19850828 (EN)**

Application  
**EP 84830064 A 19840312**

Priority  
IT 336583 A 19830311

Abstract (en)  
[origin: EP0127585A2] 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 accomodated, 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 compession 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**; **F04B 39/02**

IPC 8 full level  
**F04B 27/02** (2006.01); **F04B 39/00** (2006.01); **F04B 39/02** (2006.01); **F04B 39/12** (2006.01)

CPC (source: EP)  
**F04B 27/02** (2013.01); **F04B 39/0027** (2013.01); **F04B 39/02** (2013.01); **F04B 39/12** (2013.01)

Citation (search report)

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- [A] FR 2470874 A1 19810612 - ABG SEMCA [FR]
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- [A] GB 392799 A 19330525 - WESTINGHOUSE ELECTRIC & MFG CO
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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0127585 A2 19841205**; **EP 0127585 A3 19850828**; **EP 0127585 B1 19881005**; IT 1228584 B 19910624; IT 8303365 A0 19830311

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