

Title (en)
Gas compressor

Title (de)
Gasverdichter

Title (fr)
Compresseur à gaz

Publication
EP 0761973 A2 19970312 (EN)

Application
EP 96306183 A 19960823

Priority
JP 23137295 A 19950908

Abstract (en)
A gas compressor has a cylinder chamber (27) provided with discharge holes. Openings (37,38) are in communication with respective discharge holes. Discharge passages (40,41) having the same length are connected with respective openings (37,38). The ends of the discharge passages are connected with a common passage (49). During operation of the cylinder chamber (27), discharge valves cause the expelled gas to produce pulsations on the upstream side of the two openings (37,38). The pulsations are shifted in phase by a half wavelength. Noise due to the pulsations is reduced, because the pulsations of the expelled gas cancel out each other when the gas flows through the common passage (49). <IMAGE>

IPC 1-7
F04C 18/344; **F04C 29/00**

IPC 8 full level
F04C 29/06 (2006.01); **F04C 18/344** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)
F04C 29/0035 (2013.01); **F04C 18/3446** (2013.01)

Cited by
US7056107B2; EP1443213A4

Designated contracting state (EPC)
DE FR GB NL SE

DOCDB simple family (publication)
EP 0761973 A2 19970312; **EP 0761973 A3 19980513**; JP H0979156 A 19970325

DOCDB simple family (application)
EP 96306183 A 19960823; JP 23137295 A 19950908