

Title (en)
Liquid ring compressor

Title (de)
Flüssigkeitsringverdichter

Title (fr)
Compresseur à anneau liquide

Publication
EP 0889242 B1 20030507 (EN)

Application
EP 98202222 A 19980701

Priority
IT MI971596 A 19970704

Abstract (en)
[origin: EP0889242A1] A liquid ring compressor (10), wherein the gas distribution is obtained by means of a central stator (11), which has a frusto conical shape, comprising at least a rotor (12A, 12B), provided with a plurality of radial blades (14) mounted on a shaft (13), which is concentric with the longitudinal axis (25) of the compressor (10); the configuration of the blade (14) is such that performances, substantially higher than the performances of the traditional compressors, can be obtained at relatively high working pressures; finally, in order to obtain higher working pressures, two rotors (12A, 12B) of the above described type are positioned one after the other and a hydraulic barrage is created between first and second stage, in order to oppose the natural gas flow from the second stage rotor (12B), at high pressure, to the first stage rotor (12A), at a lower pressure. <IMAGE>

IPC 1-7
F04C 19/00

IPC 8 full level
F04C 19/00 (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP)
F04C 19/008 (2013.01); **F04C 23/001** (2013.01)

Cited by
WO2019043044A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB LI LU NL

DOCDB simple family (publication)
EP 0889242 A1 19990107; **EP 0889242 B1 20030507**; AT E239871 T1 20030515; DE 69814245 D1 20030612; DE 69814245 T2 20040325; IT 1292483 B1 19990208; IT MI971596 A0 19970704; IT MI971596 A1 19990104

DOCDB simple family (application)
EP 98202222 A 19980701; AT 98202222 T 19980701; DE 69814245 T 19980701; IT MI971596 A 19970704