

Title (en)
Liquid ring gas pump

Title (de)
Flüssigkeitsringgaspumpe

Title (fr)
Pompe à gaz à anneau liquide

Publication
EP 1477682 B1 20080409 (DE)

Application
EP 03011219 A 20030516

Priority
EP 03011219 A 20030516

Abstract (en)
[origin: EP1477682A1] The fluid ring gas pump, with one or more stages, has a working zone (8) for each with a vane wheel (2) on an eccentric mounting. The working zone is defined axially on both sides by flat control disks (3,4), with channels or chambers for the inflow and outflow of the carrier gas. The control disks are identical, each fitted with the same suction (6) and pressure (7) openings, and the unused openings are covered on the sides away from the vane wheel. The disk openings (12) for the compressor function are open or shrouded selectively. The control disks are stamped, burned by a laser beam or cut by water jets.

IPC 8 full level
F04C 19/00 (2006.01); **F01C 21/10** (2006.01)

CPC (source: EP US)
F01C 21/108 (2013.01 - EP US); **F04C 19/007** (2013.01 - EP US); **F04C 2230/10** (2013.01 - EP US); **F04C 2230/103** (2013.01 - EP US); **F04C 2230/21** (2013.01 - EP US); **F04C 2250/10** (2013.01 - EP US)

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