

Title (en)

Method for designing lobe-type rotors

Title (de)

Verfahren zum Entwerfen von Kolbenrotor

Title (fr)

Procédé pour la conception de rotors de type lobe

Publication

**EP 2088284 A1 20090812 (EN)**

Application

**EP 08151261 A 20080211**

Priority

- EP 08151261 A 20080211
- KR 20080019703 A 20080303

Abstract (en)

A method for designing lobe-type rotors is capable of forming a defined rotor (1) and a conjugate rotor (2) smoothly intermeshing and conjugating to each other, wherein each of the defined rotor (1) and the conjugate rotor (2) has at least one lobe including a sharp portion and a base portion. When the defined rotor (1) and the conjugate rotor (2) are applied to machines needed for operating in periodical expansion and compression, the defined rotor (1) and the conjugate rotor (2) can provide higher compression ratio and larger discharge capacity and reduce noise, leakage and vibration.

IPC 8 full level

**F01C 1/12** (2006.01); **F04C 18/08** (2006.01); **F04C 18/12** (2006.01)

CPC (source: EP KR)

**F01C 1/123** (2013.01 - EP); **F01C 1/24** (2013.01 - KR); **F04C 18/00** (2013.01 - KR); **F04C 18/084** (2013.01 - EP); **F04C 18/123** (2013.01 - EP)

Citation (applicant)

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AL BA MK RS

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