

Title (en)

METHOD FOR MANUFACTURING A ROTOR OR STATOR DISC FOR A VACUUM PUMP

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER ROTOR- ODER STATORSCHEIBE FÜR EINE VAKUUMPUMPE

Title (fr)

PROCÉDÉ DE FABRICATION D'UN DISQUE DE ROTOR OU DE STATOR POUR UNE POMPE À VIDE

Publication

EP 3002459 A1 20160406 (DE)

Application

EP 15185155 A 20150915

Priority

DE 102014114326 A 20141002

Abstract (en)

[origin: JP2016075276A] PROBLEM TO BE SOLVED: To provide a method of manufacturing a rotor disc or a stator disc in which optimization of overlapping of blades and improvement of compressibility and a suction capacity along with this optimization can be attained, and to provide a rotor disc or a stator disc showing a quite superior suction capacity and quite superior compressibility.SOLUTION: This invention relates to a method of manufacturing a rotor disc or a stator disc for a vacuum pump and this method is realized by a method of manufacturing the rotor disc or the stator disc by a blank of a solid material through sawing of several channels formed while being inclined in respect to a disc surface, in which at least one disc surface of a blank 11 is formed by being bent in a radial symmetrical manner before sawing of the channels.SELECTED DRAWING: Figure 1b

Abstract (de)

Die Erfindung betrifft ein Verfahren zur Herstellung einer Rotor- oder Statorscheibe für eine Vakuumpumpe sowie eine Rotor- oder Statorscheibe für eine Vakuumpumpe, wobei die Rotor- oder Statorscheibe aus einem Rohling aus Vollmaterial durch Einsägen von zu einer Scheibenebene schräg gestellten Kanälen hergestellt wird, bei denen wenigstens eine Scheibenoberfläche des Rohlings vor dem Einsägen der Kanäle radialsymmetrisch gekrümmt ausgebildet wird.

IPC 8 full level

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F05D 2230/10 (2013.01); **F05D 2250/71** (2013.01)

Citation (applicant)

- DE 10052637 A1 20020502 - PFEIFFER VACUUM GMBH [DE]
- DE 29715035 U1 19971030 - LEYBOLD VAKUUM GMBH [DE]

Citation (search report)

- [I] EP 0965761 A2 19991222 - SEIKO SEIKI KK [JP]
- [A] DE 2923632 A1 19801218 - LEYBOLD HERAEUS GMBH & CO KG
- [A] EP 1580435 A2 20050928 - PFEIFFER VACUUM GMBH [DE]

Cited by

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