

Title (en)
Rotating scroll pump

Title (de)
Rotierende Spiralpumpe

Title (fr)
Pompe rotatif à spirale

Publication
EP 0579888 B1 19960821 (DE)

Application
EP 92810551 A 19920720

Priority
EP 92810551 A 19920720

Abstract (en)
[origin: EP0579888A1] A rotating scroll pump consists of a housing (1A), in which two displacement discs are arranged rotatably. The two displacement discs are in each case provided on one side with helically running ribs (19A, 20A, 21A, 22A) which for the purpose of forming conveying spaces (23A, 26A) engage in one another and seal with their free end sides against the opposite displacement disc. The helically running ribs are of multi-step design. The various steps are separated spatially from one another forming an interspace (24A) and the radially outer step has at least twice as many conveying spaces as the radially inner step (23A or 26A). Preferably, cooling means in the form of cooling ribs (30A) are provided in the interspace (24A) between the outlet of the radially outer step and the inlet of the radially inner step. <IMAGE>

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F04C 18/02; **F04C 29/04**

IPC 8 full level
F02B 33/36 (2006.01); **F04C 18/02** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP US)
F04C 18/023 (2013.01 - EP US); **F04C 18/0269** (2013.01 - EP US); **F04C 29/04** (2013.01 - EP US)

Cited by
DE102016000693A1; EP0777053A1; US5842843A; EP1146232A3; EP0679810A3; US5626469A; EP0798463A3; EP1003974A4;
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