

Title (en)
SCREW COMPRESSOR AND METHOD OF OPERATION THEREOF

Publication
EP 0389036 B1 19930728 (EN)

Application
EP 90200581 A 19900309

Priority
NL 8900694 A 19890321

Abstract (en)
[origin: EP0389036A1] Screw compressor with two parallel screws (1,3) engaging with each other, one of which (1) is driven while the other (3) is carried, surrounded by a stator housing (4) and provided with an inlet for the gas to be compressed and an outlet for the compressed gas, said stator housing also having injection points through which water is injected into the stator housing, whereby one injection point (A) is located at a place in the stator housing where the pressure is equal to $2\sqrt{P}$ plus or minus 0.5 bar, and in that further injection points (B) are provided at a place in the stator housing (4) where the pressure is equal to $2\sqrt{P}$ plus or minus 0.5 bar and injection points (C) at the inlet side of the gas, P being equal to the absolute final pressure of the compressor.

IPC 1-7
F04C 18/16; F04C 29/00

IPC 8 full level
F04C 18/16 (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)
F04C 29/0007 (2013.01)

Cited by
US6375443B1; US11149733B2; AU701216B2; US6102683A; CN1079504C; DE19543879A1; DE19543879C2; GB2283543A; US5771693A; CN114857004A; CN111094750A; EP3680485A4; US6368091B1; USRE37603E; WO2019137852A1; WO9621109A1; WO9324754A3; WO2018196427A1; US11118585B2; US11732715B2; EP3467315B1; WO2018023177A1; EP3467315A1

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

DOCDB simple family (publication)
EP 0389036 A1 19900926; EP 0389036 B1 19930728; AT E92158 T1 19930815; DE 69002358 D1 19930902; DE 69002358 T2 19940210; DK 0389036 T3 19930927; ES 2043243 T3 19931216; NL 8900694 A 19901016

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EP 90200581 A 19900309; AT 90200581 T 19900309; DE 69002358 T 19900309; DK 90200581 T 19900309; ES 90200581 T 19900309; NL 8900694 A 19890321