

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)  
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