

Title (en)  
COMPRESSOR

Title (de)  
VERDICHTER

Title (fr)  
COMPRESSEUR

Publication  
**EP 0667934 B1 19980401 (EN)**

Application  
**EP 94908821 A 19930908**

Priority  
• GB 9301900 W 19930908  
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Abstract (en)  
[origin: WO9405913A1] A compressor (1) comprises a rotatable shaft (2) driven by an electric motor (7, 23) having a rotor (7) mounted on the shaft (2). The shaft (2) carries at least two impeller rotor stages (4, 5, 6) arranged with the motor positioned intermediately between the impeller rotor stages. An intercooler (15) is connected intermediate the impeller rotor stages (4, 5, 6), and the shaft (2) is supported by bearing means (8, 9, 10) comprising at least one tilting pad journal bearing arranged to be self generating and air or gas lubricated, and having bearing pads provided with a ceramics bearing surface. The compressor (1) is extremely efficient and particularly suitable for use in "dry air" applications where it is important to avoid contamination of the working gas, because the bearings are not lubricated with oil.

IPC 1-7  
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IPC 8 full level  
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CPC (source: EP)  
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**WO 9405913 A1 19940317**; AT E164662 T1 19980415; AU 4976793 A 19940329; AU 682318 B2 19971002; CA 2144181 A1 19940317; CN 1086587 A 19940511; DE 69317791 D1 19980507; DE 69317791 T2 19981210; EP 0667934 A1 19950823; EP 0667934 B1 19980401; GB 9219167 D0 19921028; IL 106924 A0 19931228; IL 106924 A 19961016; JP H08501367 A 19960213; MY 109678 A 19970430; RU 2118714 C1 19980910; RU 95109152 A 19970220; ZA 936403 B 19940808

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