

Title (en)  
SEALS WITH LOW THERMAL EXPANSION.

Title (de)  
DICHTUNGEN MIT NIEDRIGEM AUSDEHNUNGSKOEFFIZIENT.

Title (fr)  
JOINTS D'ETANCHEITE AYANT UNE FAIBLE DILATATION THERMIQUE.

Publication  
**EP 0654131 A1 19950524 (EN)**

Application  
**EP 93918686 A 19930806**

Priority  
• US 9307416 W 19930806  
• US 92680292 A 19920807

Abstract (en)  
[origin: WO9403743A1] An improved sealing system. The sealing system provides for the use of a body (2) defining a cavity (4). The cavity is filled or substantially filled with a material (6) having a lower coefficient of thermal expansion than the body and, in some embodiments, a material that expands at low temperature. During low temperature operation, the body may shrink considerably, but the compressive force applied between two surfaces will not decrease appreciably due to the internal, low coefficient of thermal expansion filler. Accordingly, the risk of seal failure at low temperature is substantially reduced.

IPC 1-7  
**F16J 15/16**; **H02G 3/06**

IPC 8 full level  
**C09K 3/10** (2006.01); **F16J 15/16** (2006.01); **H02G 3/06** (2006.01); **H02G 15/013** (2006.01); **H02G 15/04** (2006.01)

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Citation (search report)  
See references of WO 9403743A1

Designated contracting state (EPC)  
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