

Title (en)

SEAL ASSEMBLY HAVING A CONE SPRING ENCAPSULATED IN A LOAD RING

Title (de)

DICHTUNGSANORDNUNG MIT EIMEM EINE GEKAPSELTE TELLERFEDER AUFWEISENDEN STÜTZRING

Title (fr)

ENSEMBLE JOINT A RESSORT BELLEVILLE ENCAPSULE DANS UN CERCLE DE CHARGE

Publication

EP 1121547 A1 20010808 (EN)

Application

EP 00952258 A 20000728

Priority

- US 0020596 W 20000728
- US 37675399 A 19990817

Abstract (en)

[origin: WO0113015A1] A seal assembly (10) having a Belleville spring completely encapsulated within a load ring (30) supporting a seal member provides a bias force to a resilient seal portion of the seal member (28) to assure positive contact with an opposed face of an adjacently disposed member (12, 14) of a joint assembly. The seal assembly (10) requires minimal counterbore depth in the member in which the seal assembly (10) is mounted, and no modifications are required in the Belleville spring (50) or in the base of the counterbore.

IPC 1-7

F16J 15/34

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

See references of WO 0113015A1

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