

Title (en)
Connection

Title (de)
Fügeverbindung

Title (fr)
Connexion

Publication
EP 0889202 A3 20000202 (DE)

Application
EP 98810411 A 19980507

Priority
DE 19728085 A 19970702

Abstract (en)
[origin: EP0889202A2] The connection is between two parts (1,2), each with joint faces (11,21), which partially overlap. The flat, cylindrical, or conical joint faces are each defined on one side by recesses (12,22). The parts are connected so that their common contact face (3) is defined in both directions by the recesses of both parts. Sections (13,23) of the joint faces of one part project over the recess of the other part. The recess is formed as a transitional edge connecting the joint faces to a concave forming (14,24) with at least one torus-shaped section. The joint is used as a plug connection for moving or stationary machine parts, for compensation of relative movements between the parts, and to prevent material tears in the contact face. The parts are centering seats/blade suspensions for turbine blades.

IPC 1-7
F01D 5/30

IPC 8 full level
F01D 5/30 (2006.01); **F16B 5/10** (2006.01)

CPC (source: EP US)
F01D 5/3007 (2013.01 - EP US); **Y10T 403/21** (2015.01 - EP US)

Citation (search report)

- [X] EP 0705959 A2 19960410 - ABB MANAGEMENT AG [CH]
- [Y] EP 0478234 A1 19920401 - GEN ELECTRIC [US]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 008, no. 230 (M - 333) 23 October 1984 (1984-10-23)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 06 31 July 1995 (1995-07-31)

Cited by
EP2546465A1; WO2013007587A1; FR3091552A1; EP2407637A3; RU2612675C2; AT517878A1; AT517878B1; GB2343225A; GB2343225B; US10876571B2; US10287898B2

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