

Title (en)
IMPROVED HINGE WITH REMOVABLE PIN

Title (de)
VERBESSERTES SCHARNIER MIT AUSNEHMBAREM ZAPFEN

Title (fr)
CHARNIERE AMELIOREE A AXE AMOVIBLE

Publication
EP 0972126 B1 20020410 (EN)

Application
EP 99902482 A 19990129

Priority
• CA 9900082 W 19990129
• CA 2228539 A 19980203

Abstract (en)
[origin: WO9940281A1] A low cost, double shear hinge (3) with a removable hinge pin (7) creates a zero-clearance joint in both axial and radial directions. Bushings (1, 2) are fitted into circular openings (23, 24) in the door side portion of the hinge (3). A partially internally threaded tube (4), flanged at the following end, is inserted through the bushings and swaged over the bushing at its leading end (5). After the body side portion of the hinge with corresponding circular openings (25, 27) is aligned with the door side portion, a hinge pin (7) with a wider threaded following section (8) and a narrower threaded leading section (9) of identical pitch is rotated through the openings to draw the structure together.

IPC 1-7
E05D 5/12

IPC 8 full level
E05D 5/12 (2006.01); **E05D 5/10** (2006.01); **E05D 5/14** (2006.01)

CPC (source: EP)
E05D 5/121 (2013.01); **E05D 5/10** (2013.01); **E05D 5/14** (2013.01); **E05D 2005/102** (2013.01); **E05Y 2900/531** (2013.01)

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