

Title (en)
STRESS-FREE MECHANICAL ASSEMBLY

Title (de)
SPANNUNGSFREIE MECHANISCHE ANORDNUNG

Title (fr)
ASSEMBLAGE MECANIQUE SANS CONTRAINTES

Publication
EP 1412643 A1 20040428 (FR)

Application
EP 02791494 A 20020705

Priority
• FR 0202357 W 20020705
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Abstract (en)
[origin: FR2828246A1] The assembly (10), comprising first and second components (12, 14) connected by flat faces (16, 18) and fixings perpendicular to the faces, has the faces positioned by means of at least four cylindrical holes (22a, 22b, 22c, 22d) in the second component. The holes are internally tangent with cylindrical positioning elements (20a, 20b, 20c, 20d) of smaller diameter on the first component, and their axes (Xa, Xb, Xc, Xd) are offset relative to the axes (Ya, Yb, Yc, Yd) of the positioning elements in directions (Za, Zb, Zc, Zd) which intersect at a point (N) on the second component where the stresses are nil when the assembly is completed by a fixing stud or screw.

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