

Title (en)  
Watertight press fastener part

Title (de)  
Wasserdichtes Druckknopfteil

Title (fr)  
Élément de bouton-pression pourvu d'un joint d'étanchéité

Publication  
**EP 1048235 B1 20040317 (EN)**

Application  
**EP 99107581 A 19990415**

Priority  
EP 99107581 A 19990415

Abstract (en)  
[origin: EP1048235A1] Watertight press fastener part formed of an eyelet part (1 or 3) comprising an eyelet body (2 or 4) or of a ball part (5) comprising a ball body (6) and a cap rivet (7) which is fixable to a flat material (9), preferably in the form of a climate membrane, in a watertight manner by riveting. An elastically deformable sealing element (11 or 13) which is constructed as a molded part contacts the flat material (9). This sealing element is penetrated by the rivet shank (8) of the cap rivet (7) and has, in the assembled state, due to the deformation of the rivet shank, a press face which is formed in an analogous manner by deformation and which surrounds the axial opening (10) of the press fastener part. Together with a counter-face at the eyelet part or at the ball part, the press face defines the clamping area for the flat material (9). A particularly secure hold in the flat material results even when the flat material is especially thick when the sealing element comprises a sleeve-like portion (15) followed by a radially outwardly extending annular disk-shaped portion (16), when the sleeve-like portion (15) of the sealing element is provided in the region of its free edge (20) with a radially outwardly directed reinforcement forming a circumferentially extending undercut (22) and the latter is provided with a circumferentially extending bevel (21) facilitating assembly, proceeding from the free edge and facing the annular disk-shaped portion. Further, for purposes of preassembly, this sealing element should be mounted on the eyelet body forming the eyelet part or on the ball body forming the ball part in such a way that it penetrates the axial opening of the eyelet body or the axial opening of the ball body, respectively, with its sleeve-shaped portion and, when subsequently riveted with the rivet shank of the cap rivet guided through the sleeve-shaped portion, contacts by its annular disk-shaped portion the flat material interposed between the eyelet part or ball part and cap rivet and can be pressed with this flat material (Fig. 11).  
<IMAGE> <IMAGE>

IPC 1-7  
**A44B 17/00**

IPC 8 full level  
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CPC (source: EP)  
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