

Title (en)  
MATERIAL AT LEAST PARTLY CONSISTING OF A COMPONENT SHOWING A ONE-WAY MEMORY EFFECT, AND PROCESS FOR THE MANUFACTURE THEREOF

Publication  
**EP 0086013 A3 19830921 (DE)**

Application  
**EP 83200129 A 19830126**

Priority  
CH 70682 A 19820205

Abstract (en)  
[origin: US4518444A] Material, in the form of bars, tubes, profiles, wires, sheets, or bands, which is, at least partially, composed of a constituent showing a one-way shape memory effect, and a further inactive constituent hindering the one-way effect of the first, and which collectively exhibits a significant two-way effect. The one-way shape memory constituent can be a Cu-Al-Ni, Cu-Al, TiV, Ti-Nb, Ni-Ti, or Ni-Ti-Cu alloy. Production of bi- or multi-constituent components by brazing, welding, roll bonding, extruding, powder metallurgical methods, hot isostatic pressing, or gluing, or by the application of metallic coatings (2) onto a core material (1) and subsequent diffusion treatment to produce an inactive surface layer (3).

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IPC 8 full level  
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Citation (search report)

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