

Abstract

Positioning arm for positioning and assembling systems and method for producing positioning arms for positioning and assembling systems

Positioning arms (1) for positioning and assembling systems are subjected to high accelerations and must therefore be made lightweight but nevertheless resistant to bending and twisting.

The use of composite materials based on metal or ceramic foams and non-expanded materials for positioning arms (1) in positioning and assembling systems allows these positioning arms (1) to be lightweight and nevertheless to have high rigidity. Semifinished products (5) are arranged in the non-expanded material, since a better connection between the semifinished product (5) and material (1) is ensured there than in the metal or ceramic foam.

FIGURE 8