

Method for producing a molded body

Abstract

- 5 The present invention relates to a method for producing a molded body (10), comprising the following steps:
- 10 a) providing a molding tool (40) which has at least one receptacle (12) in which at least one material (30) which comprises at least one shape-memory material (31) is introduced, wherein the shape-memory material (31) is present in a first state (111), wherein the material (30) at least partially fills the receptacle (12) of the molding tool (40) in such a manner that said material adjoins at least one surface of the receptacle (12);
 - 15 b) creating a molded body (10) in the receptacle (12) of the molding tool (40) from the material (30), wherein the shape-memory material (31) is present in a second state (112), wherein a form (11) is embossed into the molded body (10) during the second state (112);
 - 20 c) transferring the shape-memory material (31) to a third state (113), wherein the molded body (10) can be deformed during the third state (113) in such a manner that the molded body (10) is demolded from the receptacle (12) of the molding tool (40); and
 - 25 d) at least partially restoring the form (11) of the molded body (10) by transferring the shape-memory material (31) to a fourth state (114), wherein the molded body (10) at least partially resumes the form (11) according to step b) during the fourth state (114).

Figure 1