

Title (en)

Two-way shape-recovery alloy

Title (de)

Zweiwege Formwiederherstellungslegierung

Title (fr)

Alliage à récupération de forme bidirectionnelle

Publication

**EP 2194154 A1 20100609 (EN)**

Application

**EP 09015086 A 20091204**

Priority

- JP 2008309262 A 20081204
- JP 2009266700 A 20091124

Abstract (en)

The present invention provides a two-way shape-recovery alloy, which contains less than 0.20 mass% of C, 13.00 to 30.00 mass% of Mn, 0.10 to 6.00 mass% of Si, 0.05 to 12.00 mass% of Cr, 0.01 to 3.00 mass% of Ni, and less than 0.100 mass% of N, with the remainder being Fe and unavoidable impurities, in which the contents of Mn, Si, Cr and Ni satisfy the following expression (1):  $600 \leq 33 \times \text{Mn} + 11 \times \text{Si} + 28 \times \text{Cr} + 17 \times \text{Ni} \leq 1050$

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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