

Title (en)

FERRITIC MARTENSITIC IRON-BASED ALLOY, A COMPONENT AND A PROCESS

Title (de)

FERRITISCH MARTENSITISCHE EISENBASISLEGIERUNG, EIN BAUTEIL UND EIN VERFAHREN

Title (fr)

ALLIAGE FERRITO-MARTENSITIQUE À BASE DE FER, UN ÉLÉMENT DE CONSTRUCTION ET UN PROCÉDÉ

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2010133244A1] A novel ferritic martensitic alloy enables the use temperature to be increased from 500°C to 550°C, where the strength is maintained or is even maximized and the toughness, especially for low temperatures, is maintained compared to the known iron-based alloys.

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

- ASHLEY G: "Patentability of alloys at the European Patent Office", INTELLECTUAL PROPERTY, BIRMINGHAM, GB, vol. 2, no. 3, 1 May 1997 (1997-05-01), pages 3 - 6, XP007922941, ISSN: 1361-5793
- SPIEKERMANN P: "Alloys - a special problem of patent law", NONPUBLISHED ENGLISH TRANSLATION OF DOCUMENT, pages 1 - 20, XP002184689

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