

Title (en)

METHOD FOR PRODUCING A HIGH-STRENGTH TRACK ELEMENT AND TRACK ELEMENT THUS OBTAINED

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES HOCHFESTEN GLEISTEILS SOWIE GLEISTEIL

Title (fr)

PROCEDE DE FABRICATION D'UN ELEMENT DE VOIE A RESISTANCE ELEVEE, ET ELEMENT DE VOIE AINSI OBTENU

Publication

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Application

**EP 98943853 A 19980806**

Priority

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Abstract (en)

[origin: US6315844B1] The invention relates to a high-strength steel track element, and process of making the steel track element by rolling and heat treating. The steel comprises: 0.3-0.6% C, 0.8-1.5% Si, 0.7-1.0% Mn, 0.9-1.4% Cr, 0.6-1.0% Mo, balance iron and smelting-related impurities. The steel has a bainitic basic structure, a tensile strength of at least 1600 N/mm<sup>2</sup> and a technical yield strength of at least 1250 N/mm<sup>2</sup>.

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IPC 8 full level

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CPC (source: EP US)

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