

Title (en)

Process and installation for producing thermomechanically treated rolled steel pieces

Title (de)

Verfahren und Anlage zur Herstellung von thermomechanisch behandeltem Walzgut aus Stahl

Title (fr)

Procédé et installation pour la fabrication de produits laminés en acier traités thermomécaniquement

Publication

EP 0413163 B2 19971126 (DE)

Application

EP 90113828 A 19900719

Priority

DE 3926459 A 19890810

Abstract (en)

[origin: EP0413163A1] In the manufacture of thermomechanically treated rolled steel material, a fine-grained formation of the microstructure is of great importance to the strength and toughness properties of the rolled product. According to the invention, a considerable improvement in the strength and toughness properties, and an associated substantial increase in the yield point values and notched impact strength of a rolled steel product, are achieved if the deformation of the rolled material starts in a temperature range which is below that of stable austenite, and is continued up to just above the Ac3 temperature.

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IPC 8 full level

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CPC (source: EP)

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Cited by

DE19814223A1; DE102006045871B4; DE102006045871A1; DE19725434A1; DE19725434C2; US6030470A; US6231696B1; US8377238B2; WO2008037327A1

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