

Title (en)

PROCESS FOR PRODUCING CONCRETE-REINFORCING STEEL BARS OR RODS EMERGING FROM THE ROLLING MILL

Publication

**EP 0166239 B1 19890927 (DE)**

Application

**EP 85106499 A 19850525**

Priority

CH 267584 A 19840530

Abstract (en)

[origin: US4594113A] For the production of a reinforcing steel with a higher yield point and good weldability and toughness, microalloying elements are alloyed with the steel and their proportion represents 0.02 and 0.06% vanadium and 0.01 to 0.02% nitrogen, said proportions not being sufficient for achieving a higher yield point of at least 450 N/mm<sup>2</sup>. However, this is reached if the rolling stock undergoes controlled, but relatively limited cooling during or after rolling, in such a way that the compensating temperature of the steel reaches at least 700 DEG C. Due to the fact that the microalloying elements are only alloyed in small quantities and only relatively small water quantities are required, reinforcing steel can be economically produced. In addition, the process permits coiling in the case of wire rolling and can also be used on other rolled steel products.

IPC 1-7

**C21D 8/08**; **C21D 9/52**

IPC 8 full level

**C21D 8/08** (2006.01); **C21D 9/52** (2006.01)

CPC (source: EP US)

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