

Title (en)

PREPARATION METHOD FOR LOW-TEMPERATURE IMPACT TOUGHNESS-RESISTANT WIND POWER STEEL

Title (de)

HERSTELLUNGSVERFAHREN FÜR NIEDRIGTEMPERATUR-SCHLAGZÄHIGKEITSBESTÄNDIGEN WINDKRAFTSTAHL

Title (fr)

PROCÉDÉ DE PRÉPARATION D'ACIER D'ÉNERGIE ÉOLIENNE RÉSISTANT AUX CHOCS À BASSE TEMPÉRATURE

Publication

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Application

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Abstract (en)

The present disclosure provides a preparation method for toughness wind power steel with low-temperature impact resistance, comprising the following steps of: pretreating, a desulfurization of molten steel; smelting: pretreated molten steel; refining, being divided into LF refining and RH refining; continuous casting, being adopted whole-process protection casting; and rolling, being adopted two-stage rolling comprising rough rolling and finish rolling. In the preparation method for the toughness wind power steel with low-temperature impact resistance disclosed in the present disclosure, it provides a normalizing-rolled toughness wind power steel with low-temperature impact resistance plate with low cost, excellent low-temperature impact toughness, and good comprehensive performance such as product strength, percentage elongation after fracture, and cold bending performance and the like; and by adding and controlling various alloy elements, and directly using the normalizing rolling process, the production cost is low, the production cycle is short, and the normalizing rolling low-temperature impact toughness wind power steel plate with a thickness of 6mm to 63mm can be produced to obtain the toughness wind power steel with low-temperature impact resistance.

IPC 8 full level

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