

Title (en)

CONTINUOUS PRESS HARDENING PROCESS AND APPARATUS THEREFOR

Title (de)

KONTINUIERLICHES PRESSHÄRTUNGSVERFAHREN UND VORRICHTUNG DAFÜR

Title (fr)

PROCÉDÉ ET APPAREIL DE DURCISSEMENT PAR PRESSAGE CONTINU

Publication

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Application

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Abstract (en)

The present invention relates to a continuous press hardening process, and an apparatus therefor. The present invention comprises: a slab casting step for continuously casting molten steel refined in an electric furnace and blast furnace to make slabs, followed by re-heating and hot-rolling the slabs to prepare a hot-rolled steel sheet; a blanking step after the slab casting step for transferring the hot-rolled steel sheet to a blank through a sealed oven and then blanking the hot-rolled steel sheet; and a press hardening step after the blanking step for transferring the hot-rolled steel sheet to a press mold and then press-molding it. Since the present invention can immediately inject the high-temperature steel sheet generated in hot-rolling in the press hardening step, an additional re-heating step is not required. Thus, the present invention has an effect of reducing costs through simplification of a process.

IPC 8 full level

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