Title (en)

INTERMEDIATE STORAGE OVEN DOWNSTREAM OF A THIN SLAB CASTING PLANT.

Title (de)

OFENANLAGE ALS ZWISCHENSPEICHER HINTER EINER DÜNNBRAMMENGIESSANLAGE.

Title (fr)

FOUR DE STOCKAGE INTERMEDIAIRE MONTE EN AVAL D'UNE INSTALLATION DE COULEE DE BRAMES MINCES.

Publication

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Application

EP 92912943 A 19920625

Priority

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- DE 9200527 W 19920625

Abstract (en)

[origin: WO9300179A1] The invention relates to an oven used as intermediate storage between the spindle-less coiling device (23) for the cast strip (4), located downstream of a thin slab casting plant, and to the associated device (14) used for uncoiling prior to the rolling mill (15). In order to provide an oven between the cast strip coiling and uncoiling devices which facilitates both a good heat supply for the cast material and possibly subsequent heating for the coils (6), and which provides considerable storage capacity prior to the rolling mill, it is proposed that a pallet circulation system is used consisting of pallet trucks (9) which can follow a transit cycle through the oven (11) and can move transversely at the entrance to and exit from the furnance (8, 13) and return (17) alongside the oven. The immediately adjacent platforms of the pallet trucks (9) are made of fireproof material and form the hearth of the oven (11). They are provided with saddle elements, made from material having low thermal conductivity, to receive the strip coils (6).

IPC 1-7

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IPC 8 full level

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