

Title (en)

ROLLER FRAMEWORK HAVING A FRAMEWORK COOLER FOR COOLING A STEEL BAND

Title (de)

WALZGERÜST MIT EINEM GERÜSTKÜHLER ZUM ABKÜHLEN EINES STAHLBANDS

Title (fr)

CAGE DE LAMINAGE PRÉSENTANT UN REFROIDISSEUR DE CAGE POUR LE REFROIDISSEMENT D'UN FEUILLARD EN ACIER

Publication

**EP 3658305 A1 20200603 (DE)**

Application

**EP 18743776 A 20180719**

Priority

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Abstract (en)

[origin: WO2019020492A1] The invention relates to a framework cooler (20) for cooling a steel band (50), installed in a roller framework (11) in place of the work rolls (5) and the associated installation pieces (5a and 5b). For this purpose, the framework cooler (20) is sized such that it can be installed into the roller framework (11) through the operator-side roller stands (1) of the roller framework (11). The framework cooler (20) comprises a lower water tank (21b) and an upper water tank (21a), each having a connection (22) for a coolant and a plurality of cooling nozzles (23) or cooling tubes (23a) arranged in the depth direction (T) of the framework cooler (20) or at least one cooling slot (24) extending in the depth direction (T) of the framework cooler (20). The lower and the upper water tank (21b and 21a) can be thereby supplied with coolant by the respective connection (22) and the bottom side of the steel band (50) can be cooled by the cooling nozzles (23) or cooling tubes (23a) or the cooling slot (24) of the lower water tank (21b) and the top side of the steel band (50) can be cooled by the cooling nozzles (23) or cooling tubes (23a) or the cooling slot (24) of the upper water tank (21a).

IPC 8 full level

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Citation (search report)

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