

Title (en)

METHOD AND DEVICE FOR WIRE PATENTING BY RADIATION-CONVECTION HEAT TRANSFER

Title (de)

DRAHTPATENTIERVERFAHREN UND VORRICHTUNG MITTELS STRAHLUNGSKONVEKTIONSWÄRMEÜBERTRAGUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DESTINÉS AU PATENTAGE DE FIL PAR TRANSFERT DE CHALEUR PAR RAYONNEMENT-CONVECTION

Publication

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Application

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Abstract (en)

[origin: WO2011117336A1] The invention relates to a method and device for cooling a wire for patenting processes, where the device comprises a block of material having a very high thermal capacity with a channel adapted for allowing the passage of a wire to be cooled and at least one conduit for the circulation of a cooling fluid, and it further comprises at least one nozzle capable of injecting a turbulent fluid jet towards the wire to be cooled. The turbulent jet is capable of producing cooling in the time and to the extent necessary for the patenting process, thus overcoming the need for using lead baths.

IPC 8 full level

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