

Title (en)

PROCESS AND MEANS FOR COOLING, DRYING AND SEPARATING CASTINGS AND MOULDING SAND IN A COOLING DRUM

Publication

EP 0002050 B1 19810610 (DE)

Application

EP 78101366 A 19781114

Priority

DE 2751500 A 19771118

Abstract (en)

[origin: EP0002050A2] 1. Method for cooling, drying and separating castings and moulding sand in a rotating cooling drum (1) whereby casted blocks are loaded into the front end of the cooling drum and the castings discharged from the other end of the drum whilst the moulding sand is discharged from a perforated section of the drum shell located in front of this end through a second chamber (2) surrounding said drum shell and through a second chamber (3) equipped with a suction device (6, 7), said second chamber (3) being connected to the first chamber (2) by a perforated partition, characterized by a stream of air being sucked from the cooling drum (1) through the first chamber (2) and second chamber (3) to simultaneously entrain moulding sand (9) from the first chamber into the second chamber where it separates from the air stream by the force of gravity and collects, water being jetted into the cooling drum, where required.

IPC 1-7

B22D 31/00; **B24B 31/02**; **F28C 3/18**

IPC 8 full level

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