

Title (en)
AN IMPROVED COOLING APPARATUS

Title (de)
VERBESSERTE KÜHLVORRICHTUNG

Title (fr)
APPAREIL DE REFROIDISSEMENT PERFECTIONNÉ

Publication
EP 4256090 A1 20231011 (EN)

Application
EP 21830332 A 20211130

Priority
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• IB 2021061108 W 20211130

Abstract (en)
[origin: WO2022118187A1] Cooling apparatus (1), for cooling a material, in particular for cooling white and / or black slag and / or the residue that forms at the bottom of a ladle furnace, characterized in that it comprises: - at least one reactor (2), with tubular development, which is rotating and comprises at least one wall (3) defining inside it a chamber (4) for receiving and passing through the material to be cooled, - cooling means (18) acting on the reactor (2) and configured to cool, directly or indirectly, by means of a cooling fluid, the material passing through said chamber (4), - supply means (10) of at least one cooling fluid, said supply means are fluidly connected to the inlet of said cooling means (18), and by the fact that in correspondence of said supply means (10) a machine is installed hydraulic machine (11) which is connected to an electric machine (12) so that said electric machine (12) is operated by said hydraulic machine (11), thus transforming the mechanical energy deriving from the fluid circulating in said power supply means (10).

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