

Title (en)

PROCESS AND APPARATUS FOR COOLING A MATERIAL AND APPLICATION TO THE MANUFACTURE OF REFRACTORY MATERIALS BY TEMPERING

Publication

EP 0125964 B1 19880224 (FR)

Application

EP 84400824 A 19840424

Priority

FR 8307164 A 19830429

Abstract (en)

[origin: EP0125964A1] 1. Process for cooling a material (3) with the aid of a liquefied gas, characterized in that it comprises the following stages : (a) bringing the liquefied gas into a nozzle (8), said liquefied gas being at a temperature below its saturation point and whereof the variation from the latter does not exceed 15 C, (b) expanding said liquefied gas in order to obtain droplets, (c) shattering these droplets by applying thereto a carrier gas, the flow rate and pressure of the cooling liquid and the carrier gas being regulated in such a way that the droplets obtained have a diameter equal to or below 40 microns and (d) spraying the droplets obtained in stage (c) onto material (3) in order to cool the latter.

IPC 1-7

F25D 3/10

IPC 8 full level

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CPC (source: EP)

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EP 0125964 A1 19841121; EP 0125964 B1 19880224; AT E32628 T1 19880315; DE 3469456 D1 19880331; FR 2545202 A1 19841102; FR 2545202 B1 19890407

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