

Title (en)

PROCESS AND APPARATUS FOR COOLING BURNT MATERIAL SUCH AS SINTERS OR PELLETS

Publication

EP 0013871 B1 19831109 (DE)

Application

EP 79890059 A 19791212

Priority

AT 66079 A 19790130

Abstract (en)

[origin: US4277235A] In a process and plant for producing cool sintered particulate agglomerated solids of ore, the solids are moved in a continuous stream through a heat-treating zone to form a layer of the agglomerated solids and hot particles thereof are obtained from the layer. The hot particles are moved in a continuous stream into a structurally separate cooler which is heat-insulated from the heat-treating zone and through the cooler in a cooling path. Cooling air is blown into the cooler to flow countercurrently to the continuous stream of hot particles in the cooling path to subject the hot particles to forced countercurrent cooling whereby the cooling air is heated by contact with the hot particles and the entire heated cooling air is delivered into the heat-treating zone.

IPC 1-7

F27D 15/02; **C22B 1/26**; **F28C 3/14**

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP0436140A1; EP0522220A1; FR2488985A1; EP3096101A1; CN106168448A; RU2707773C2; WO2016184682A1

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