

Title (en)

Convection cooling vessel for materials exhibiting surfaces.

Title (de)

Abkühl-Kammer zur Konvektionskühlung von flächenhaftem Gut.

Title (fr)

Chambre de refroidissement par convection de matériaux présentant des surfaces.

Publication

EP 0315590 B1 19940126 (DE)

Application

EP 88810733 A 19881026

Priority

DE 3737254 A 19871103

Abstract (en)

[origin: EP0315590A2] A convection cooling vessel for materials exhibiting surfaces in arrangements with interspaces which can be flowed through, in particular of block charges made of light metal semifinished products, has a fan which delivers into an exhaust duct and on the suction side of which a forked pipe is arranged; on each leg of the forked pipe, there is a shut-off and control valve. Provided symmetrically in relation to the material are inflow ducts which are assigned to the legs of the forked pipe. Each inflow duct has a further shut-off and control valve. The shut-off and control valves in the forked pipe and in the inflow ducts can be adjusted in such a manner that, because of the suction effect of the fan, the material can be flowed through in the main flow or in the part flow and the flow direction of the cooling medium can be reversed. <IMAGE>

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