

Title (en)

DELTA ROOF WITH IMPROVED COOLING FOR ELECTRIC SMELTING FURNACES

Title (de)

DELTADACH MIT VERBESSERTER KÜHLUNG FÜR ELEKTRISCHE SCHMELZÖFEN

Title (fr)

TOIT DELTA À REFRROIDISSEMENT AMÉLIORÉ POUR DES FOURS ÉLECTRIQUES DE FUSION

Publication

EP 3139120 B1 20180801 (EN)

Application

EP 16185997 A 20160826

Priority

IT UB20153270 A 20150827

Abstract (en)

[origin: EP3139120A1] Delta roof (10) for electric smelting furnaces of the type at least partially made of refractory material and comprising at least one through-opening (15) for introducing an electrode for conducting the melting process from the outside into said furnace; wherein said delta roof (10) comprises a plurality of channels (18) substantially horizontal obtained in said refractory material, which converge from the outside of said delta roof at said at least one through-opening (15), a lance (17) being arranged inside each of said channels (18) in a sliding manner, said lance (17) being independently supplied with a cooling fluid and being provided with nozzles (16), said nozzles being arranged on said lance so as to face said electrodes for conducting the melting process when said lance is inserted in said channel (18).

IPC 8 full level

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