

Title (en)
PROCESS AND DEVICE FOR FURNACE COOLING

Publication
EP 0123168 B1 19870318 (DE)

Application
EP 84103465 A 19840329

Priority
CH 195783 A 19830412

Abstract (en)
[origin: US4603423A] To counteract the danger of the penetration of coolant in the use of a liquid-cooled device for cooling of vessel walls (27) for arc furnaces (1) and the serious consequences resulting therefrom, a pressure is created in the coolant in the thermally highly burdened cooling elements (36) which is lower than that of the ambient atmospheric pressure.

IPC 1-7
F27D 9/00; **F27D 1/12**

IPC 8 full level
F27B 3/24 (2006.01); **F27D 1/12** (2006.01); **F27D 9/00** (2006.01)

CPC (source: EP US)
F27D 1/12 (2013.01 - EP US); **F27D 9/00** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 0123168 A1 19841031; **EP 0123168 B1 19870318**; AT E26015 T1 19870415; BR 8401670 A 19841120; DE 3462711 D1 19870423; JP S59205581 A 19841121; SU 1366067 A3 19880107; US 4603423 A 19860729

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EP 84103465 A 19840329; AT 84103465 T 19840329; BR 8401670 A 19840410; DE 3462711 T 19840329; JP 7193384 A 19840412; SU 3725403 A 19840411; US 59963184 A 19840412