

Title (en)
COOLING PLATES FOR A BLAST-FURNACE COOLING ARRANGEMENT

Publication
EP 0044792 B1 19851023 (FR)

Application
EP 81401167 A 19810722

Priority
FR 8016105 A 19800722

Abstract (en)
[origin: ES8206632A1] This invention relates to a cooling installation for a blast furnace using stave coolers in which circulates a cooling fluid, these staves being arranged in successive superimposed rings along the internal wall of the shell of the blast furnace and being traversed by internal fluid circulation tubes, the internal tubes of two staves adjacent in a vertical plane being interconnected so as to define a network of vertical fluid circulation lines, wherein this network is connected at each of its extremities to an external circulation and fluid cooling circuit defining a pressurized forced closed circuit in which the cooling fluid is maintained in the liquid phase.

IPC 1-7
C21B 7/10

IPC 8 full level
C21B 7/10 (2006.01)

CPC (source: EP US)
C21B 7/10 (2013.01 - EP US)

Cited by
FR2552106A1; GB2146749A

Designated contracting state (EPC)
AT BE DE GB IT LU NL SE

DOCDB simple family (publication)
EP 0044792 A2 19820127; EP 0044792 A3 19820203; EP 0044792 B1 19851023; AT E16201 T1 19851115; CA 1178438 A 19841127; DE 3172711 D1 19851128; ES 504454 A0 19820816; ES 8206632 A1 19820816; FR 2487377 A1 19820129; FR 2487377 B1 19841228; US 4398701 A 19830816

DOCDB simple family (application)
EP 81401167 A 19810722; AT 81401167 T 19810722; CA 382269 A 19810722; DE 3172711 T 19810722; ES 504454 A 19810722; FR 8016105 A 19800722; US 28533481 A 19810722