

Title (en)

INDUSTRIAL FURNACE FOR THE CONTINUOUS HEAT TREATMENT OF ARTICLES

Publication

EP 0188659 A3 19871202 (DE)

Application

EP 85111008 A 19850831

Priority

DE 3443112 A 19841127

Abstract (en)

[origin: EP0188659A2] The furnace (1) includes a furnace chamber (2) which at one end has a charging opening (5) and at the other end a chute (11). Between charging opening (5) and chute (11), there extends an endless conveyor belt (12) which, above the chute (11), is deflected in the direction of the charging opening (5). In order to avoid a constant heat loss through the empty section (17) of the conveyor belt (12) emerging from the furnace chamber, a heat transfer device (15) is provided in the region of the charging opening (5) between the cold working section (14) running in and the hot empty section (17) running out. <IMAGE>

IPC 1-7

F27B 9/24; **F27B 9/38**; **C21D 9/00**

IPC 8 full level

C21D 9/00 (2006.01); **F27B 9/24** (2006.01); **F27B 9/38** (2006.01); **F27B 9/06** (2006.01); **F27B 9/36** (2006.01); **F27D 3/12** (2006.01); **F27D 21/00** (2006.01)

CPC (source: EP)

F27B 9/243 (2013.01); **F27B 9/38** (2013.01); **F27B 9/068** (2013.01); **F27B 2009/2438** (2013.01); **F27B 2009/3638** (2013.01); **F27D 21/0014** (2013.01); **F27D 2003/121** (2013.01); **F27D 2021/0007** (2013.01)

Citation (search report)

- [A] US 1828036 A 19311020 - FAHRENWALD FRANK A
- [A] US 2319301 A 19430518 - COOK RAYMOND W
- [A] DE 1483513 A1 19690213 - ELEKTRO IND OFENBAU VEB
- [A] FR 1482719 A 19670526 - FOUR ELECTR DELEMONT SA DU

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US2010186940A1; CN105858279A

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0188659 A2 19860730; **EP 0188659 A3 19871202**; **EP 0188659 B1 19901205**; AT E58964 T1 19901215; CS 261231 B2 19890112; CS 849185 A2 19880516; DE 3443112 C1 19860807; DE 3580840 D1 19910117; DK 160656 B 19910402; DK 160656 C 19910902; DK 543085 A 19860528; DK 543085 D0 19851122; NO 165045 B 19900903; NO 165045 C 19901212; NO 853857 L 19860528; PL 146609 B1 19890228; PL 256206 A1 19860923

DOCDB simple family (application)

EP 85111008 A 19850831; AT 85111008 T 19850831; CS 849185 A 19851125; DE 3443112 A 19841127; DE 3580840 T 19850831; DK 543085 A 19851122; NO 853857 A 19850930; PL 25620685 A 19851112