

Title (en)

LOADING DEVICE FOR SUPPORTING PARTS TO BE THERMALLY TREATED IN A FURNACE

Title (de)

ANORDNUNG ZUR LADUNG VON GUTTRÄGERN FÜR THERMISCHE OFENBEHANDLUNGEN

Title (fr)

DISPOSITIF DE CHARGEMENT POUR LE SUPPORT DE PIÉCES A TRAITER THERMIQUEMENT DANS UN FOUR

Publication

EP 1042517 A1 20001011 (FR)

Application

EP 98959989 A 19981215

Priority

- FR 9802732 W 19981215
- FR 9715842 A 19971215

Abstract (en)

[origin: FR2772467A1] The invention concerns a loading device, made of thermostructural composite material comprising a base plate (20), a loading shaft (30) integral with the base plate and extending over at least the whole height of the loading device, and a plurality of loading trays (40) provided with a central passage for the loading shaft to pass through. Each loading tray bears several tubular posts (50) for successively mounting the trays at predetermined intervals, with the same number of tubular posts borne by each tray aligned in such a way as to constitute, after the trays have been mounted, posts picking up load extending over the height of the loading device, and at least one of the tubular posts borne by each tray being differently arranged and/or dimensioned from the other tubular posts borne by the same tray so as to enable an indexing of the trays when they are being mounted. Each tray (40) has means (45) for positioning the parts in predetermined sites.

IPC 1-7

C21D 9/00

IPC 8 full level

C21D 1/00 (2006.01); **C21D 9/32** (2006.01); **C21D 9/40** (2006.01); **F27D 3/12** (2006.01); **F27D 5/00** (2006.01)

CPC (source: EP KR US)

C21D 9/0025 (2013.01 - KR); **F27D 5/00** (2013.01 - EP US); **F27D 5/0006** (2013.01 - EP KR US)

Cited by

EP2620339A1

Designated contracting state (EPC)

AT DE ES FR GB IT

DOCDB simple family (publication)

US 6318571 B1 20011120; AT E230804 T1 20030115; CA 2315169 A1 19990624; CA 2315169 C 20080219; DE 69810662 D1 20030213; DE 69810662 T2 20031113; EP 1042517 A1 20001011; EP 1042517 B1 20030108; ES 2190124 T3 20030716; FR 2772467 A1 19990618; FR 2772467 B1 20000310; JP 2002508444 A 20020319; JP 3977595 B2 20070919; KR 100562459 B1 20060320; KR 20010024719 A 20010326; RU 2220394 C2 20031227; WO 9931284 A1 19990624

DOCDB simple family (application)

US 58149200 A 20000614; AT 98959989 T 19981215; CA 2315169 A 19981215; DE 69810662 T 19981215; EP 98959989 A 19981215; ES 98959989 T 19981215; FR 9715842 A 19971215; FR 9802732 W 19981215; JP 2000539180 A 19981215; KR 20007006486 A 20000614; RU 2000118817 A 19981215