

Title (en)

WALKING BEAM FURNACE FOR CONTINUOUSLY DISCHARGING AND SHREDDING SCALE

Title (de)

HUBBALKENOFEN ZUM KONTINUIERLICHEN ENTLADEN UND ZERKLEINERN VON ZUNDER

Title (fr)

FOUR À LONGERONS MOBILES PERMETTANT DE BROYER ET D'ÉVACUER EN CONTINUE LA CALAMINE

Publication

**EP 3903057 B1 20221019 (FR)**

Application

**EP 19845707 A 20191217**

Priority

- FR 1874133 A 20181224
- FR 2019053126 W 20191217

Abstract (en)

[origin: CA3122609A1] Walking beam furnace comprising movable (10C) and stationary andirons which are supported by movable (12Q) and stationary keels, respectively, and drive means designed to move a lifting frame (2) and a translation frame (3) according to a rectangular displacement cycle having two vertical positions and an intermediate vertical position according to which the movable andirons are at the same height as the stationary andirons, the furnace further comprising stationary and movable beams (LRM), the movable beams being arranged between the stationary beams and separated from the latter by a space, the movable keels being attached to the movable beams, which are attached to the translation frame and arranged at the same height as the stationary refractory beams in the intermediate position, the furnace further comprising a plurality of skirts (70) attached to the other movable beams defining the separation space and dipping into longitudinal water tanks (40) arranged in line with the separation spaces and attached to one of the beams defining a separation space.

IPC 8 full level

**F27B 9/20** (2006.01); **F27D 25/00** (2010.01)

CPC (source: EP US)

**F27B 9/201** (2013.01 - EP US); **F27D 25/00** (2013.01 - EP); **F27D 25/008** (2013.01 - US)

Citation (examination)

DE 1508375 A1 19691023 - BECK & KALTHEUNER FA

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**FR 3090836 A1 20200626; FR 3090836 B1 20210416**; BR 112021011695 A2 20210908; CA 3122609 A1 20200702; EP 3903057 A1 20211103; EP 3903057 B1 20221019; ES 2935359 T3 20230306; FI 3903057 T3 20230113; MX 2021007697 A 20210805; PL 3903057 T3 20230130; US 2022074665 A1 20220310; WO 2020136321 A1 20200702

DOCDB simple family (application)

**FR 1874133 A 20181224**; BR 112021011695 A 20191217; CA 3122609 A 20191217; EP 19845707 A 20191217; ES 19845707 T 20191217; FI 19845707 T 20191217; FR 2019053126 W 20191217; MX 2021007697 A 20191217; PL 19845707 T 20191217; US 201917417886 A 20191217