

Title (en)

Apparatus for handling and circulating products in a dryer

Title (de)

Vorrichtung zum Bewegen und Umlaufen von Produkten in einem Trockner

Title (fr)

Dispositif de manutention et de circulation de produits dans un séchoir

Publication

EP 0732558 B1 19990616 (FR)

Application

EP 96400525 A 19960314

Priority

FR 9502948 A 19950314

Abstract (en)

[origin: EP0732558A1] Wet clay products placed on trays (3) at a loading station (Db) are conveyed (11) to an entry zone (A), where vertical stacks 16 trays high are erected on the ends of 6 parallel conveyors (10), passing through the drier (B), by successive crane lifts (12,14,16). The drier doors open, allowing these stacks to enter, and 6 dried stacks to emerge at the other end (C). The latter, by a converse but similar lifting process (18,20,22), are broken down to single trays from which the products are removed (Da) and sent by conveyor (23) for firing, while the empty trays (3) return (11) to the loading station (Db). The operation continues cyclically, with step-by-step movement of the drier conveyors (10). A variant employs robot handlers at entry and exit, with continuously moving drier conveyors.

IPC 1-7

F26B 15/14; **F26B 25/00**

IPC 8 full level

F26B 15/14 (2006.01); **F26B 25/00** (2006.01)

CPC (source: EP)

F26B 15/14 (2013.01); **F26B 25/001** (2013.01)

Cited by

EP1821055A1; FR2811309A1; WO0203001A1

Designated contracting state (EPC)

AT BE DE ES FR GR IT NL PT

DOCDB simple family (publication)

EP 0732558 A1 19960918; **EP 0732558 B1 19990616**; AT E181415 T1 19990715; DE 69602863 D1 19990722; DE 69602863 T2 20000127; FR 2731783 A1 19960920; FR 2731783 B1 19970530

DOCDB simple family (application)

EP 96400525 A 19960314; AT 96400525 T 19960314; DE 69602863 T 19960314; FR 9502948 A 19950314