

Title (en)
Infra-red drying system

Title (de)
Infrarot-Trocknungsanlage

Title (fr)
Installation de séchage à infrarouges

Publication
EP 2466237 A2 20120620 (DE)

Application
EP 11009455 A 20111130

Priority
DE 102010054635 A 20101215

Abstract (en)
The continuously working infrared-drying system has a through channel (14) having an inlet and an outlet, through which the goods (20) to be dried are moved through in single lane. The channel has a heating zone (16), an evaporation zone (18) and a cooling zone (17). Multiple infrared emitters (28) are provided for introducing heat energy to the goods to be dried. A thrust air unit is provided for generation of a regulated air mass flow (27) in the channel. The air mass flow moves against the mass flow of the goods. Independent claims are also included for the following: (1) a method for operating a continuously working infrared-drying system; and (2) a painting system.

Abstract (de)
Mit der Erfindung wird eine Infrarot-Trocknungsanlage (11) vorgeschlagen, bei welcher durch den Einsatz von entgegen dem Massestrom (30) des zu trocknenden Gutes (20) gerichteten Schubluft (27) eine verbesserte Trocknung erreicht wird.

IPC 8 full level
B05D 3/02 (2006.01); **B05D 3/04** (2006.01); **F26B 3/30** (2006.01); **F26B 15/12** (2006.01); **F26B 21/04** (2006.01)

CPC (source: EP)
F26B 3/30 (2013.01); **F26B 15/12** (2013.01); **F26B 21/04** (2013.01); **B05D 3/0263** (2013.01); **B05D 3/0406** (2013.01); **B05D 2203/35** (2013.01)

Cited by
CN115870182A; CN109668417A; EP3847034A4; US11874058B2; WO2023020652A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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