

Title (en)

Frame for supporting articles during a heat treatment

Title (de)

Trägergestell zum Tragen von Werkstücken während einer Wärmebehandlung

Title (fr)

Cadre pour le support de pièces durant le traitement thermique

Publication

**EP 1734323 A2 20061220 (EN)**

Application

**EP 05105300 A 20050616**

Priority

IT MO20040150 A 20040617

Abstract (en)

A frame (1) for supporting articles, comprising means (2) for supporting at least one plurality of cylindrical rollers (3), which are parallel to each other, are suitable to form a supporting surface for the articles, and can be associated with the supporting means (2) by interposing rotary guiding means (4) which are suitable to allow their rotation about their own axis. The frame allows free thermal expansion or shrinkage of the articles.

IPC 8 full level

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

CPC (source: EP)

**C21D 9/0012** (2013.01); **C21D 9/0018** (2013.01); **C21D 9/0056** (2013.01); **F27D 3/12** (2013.01); **F27D 3/123** (2013.01); **F27D 5/0006** (2013.01); **F27D 5/0031** (2013.01)

Cited by

CN111043862A; EP2138789A1; FR2933174A1; EP3839080A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1734323 A2 20061220; EP 1734323 A3 20081029; IT MO20040150 A1 20040917**

DOCDB simple family (application)

**EP 05105300 A 20050616; IT MO20040150 A 20040617**