

Title (en)

Device with several components for heat treatment

Title (de)

Vorrichtung mit mehreren Einzelteilen für Wärmebehandlungen

Title (fr)

Installation à plusieurs éléments pour des traitements thermiques

Publication

**EP 0296102 B2 19991006 (FR)**

Application

**EP 88810355 A 19880601**

Priority

CH 209987 A 19870603

Abstract (en)

[origin: US4861000A] An upper line comprises three furnaces 1, 2, 3 and a washing machine 4, in straight side-by-side arrangement. A lower line comprises moveable treatment elements 7, 8, 9 movable on conveyor track 5, and fixed vat 17. car 6 permits feeding all the elements of the upper line, as well as materials handling equipment 11, from entry station 20. Elements 7, 8, 9 and 17 can be fed either directly from the furnaces 1, 2, 3 via the materials handling equipment 11.

IPC 1-7

**C21D 9/00**; **C21D 1/74**

IPC 8 full level

**C21D 1/74** (2006.01); **C21D 9/00** (2006.01)

CPC (source: EP US)

**C21D 1/74** (2013.01 - EP US); **C21D 9/0018** (2013.01 - EP US)

Cited by

EP0806485A1; US5402994A; EP1018562A1; EP0805218A1; EP0785402A1; EP0376832A1; FR2640999A1; EP0995805A1; EP0893510A1; US6093367A; FR2779217A1; EP0477117A1; FR2666818A1; WO9426940A1; WO9007583A1; WO9314229A1; WO9963289A1; WO9205289A1

Designated contracting state (EPC)

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**EP 0296102 A1 19881221**; **EP 0296102 B1 19930505**; **EP 0296102 B2 19991006**; AT E89036 T1 19930515; DE 3880743 D1 19930609; DE 3880743 T2 19931104; DE 3880743 T3 20000302; ES 2041335 T3 19931116; ES 2041335 T5 20000216; US 4861000 A 19890829

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