Title (en)

Process and installation to convey loads in a vacuum furnace and vacuum furnace with such an installation

Title (de)

Verfahren und Vorrichtung zum Transportieren von Einsatzgütern im Vakuumofen und Vakuumofen mit solcher Vorrichtung

Title (fr)

Procédé et dispositif de convoyage de charges à l'intérieur d'un four sous vide et four sous vide equipé d'un tel dispositif

Publication

EP 0823608 B1 20010919 (FR)

Application

EP 97420139 A 19970730

Priority

FR 9610084 A 19960806

Abstract (en)

[origin: EP0823608A1] The conveyor system for a vacuum kiln (1) with an air lock (4,5) at its inlet and/or outlet ends and doors (6,7) leading into and out of its main inner chamber (2). It has the loads (3c,3d) situated immediately before the chamber's outlet and inlet doors situated at a lower level than the other loads (3a,3b) inside the chamber. This is to enable the loads to be moved in sequence by a beam (10) which moves vertically and horizontally beneath them. The beam lifts the load (3c) immediately adjacent to the outlet door and moves it through the door without affect the positions of the other loads in the chamber. Returning to the forward end of the chamber, the beam lifts the load (3d) adjacent to the inlet door and then the other loads inside the chamber, moving all three forwards into the chamber.

IPC 1-7

F27B 9/14; F27B 9/38; F27B 9/20; F27B 9/04

IPC 8 full level

F27B 9/04 (2006.01); **F27B 9/14** (2006.01); **F27B 9/20** (2006.01); **F27D 3/00** (2006.01)

CPC (source: EP)

F27B 9/042 (2013.01); **F27B 9/14** (2013.01); **F27B 9/201** (2013.01); **F27D 3/00** (2013.01)

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EP 0823608 A1 19980211; **EP 0823608 B1 20010919**; AT E205933 T1 20011015; DE 69706788 D1 20011025; DE 69706788 T2 20020704; FR 2752290 A1 19980213; FR 2752290 B1 19980918

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