

Title (en)

Reversible cross flow drying or curing oven.

Title (de)

Trocknungs- oder Behandlungsöfen mit umkehrbarer Querströmung.

Title (fr)

Four de séchage ou de traitement avec circulation transversale réversible.

Publication

EP 0253024 A1 19880120 (EN)

Application

EP 86201280 A 19860718

Priority

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Abstract (en)

Disclosed is a reversible cross flow drying or curing oven (10) including first and second ducts (26, 28) on opposite sides of the heated oven chamber. A fan (70) forces heated air through a main supply passage (34) into one or the other of the first and second ducts (26, 28) for transmission into the oven chamber. The air in the oven chamber is returned to a main return passage (36) through the other of the first and second ducts (26, 28) thereby establishing a cross flow of heated air in the oven chamber from one duct to the opposite duct. The main return passage (36) communicates with the main supply passage (34) for recirculation of the heated oven air. Flow control devices (44, 46, 54, 56) are provided in the supply and return passage (34, 36) to alternate the direction of the flow of air across the oven chamber between the ducts (26, 28) to provide for even drying or curing of the articles in the oven chamber.

IPC 1-7

F26B 9/06; **F26B 21/04**

IPC 8 full level

F26B 9/02 (2006.01); **F26B 21/02** (2006.01); **F27B 17/00** (2006.01); **F27D 7/04** (2006.01)

CPC (source: EP)

F26B 9/02 (2013.01); **F26B 21/028** (2013.01); **F27B 17/0083** (2013.01); **F27D 7/04** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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