

Title (en)  
DRYING OVEN AND DRYING METHOD

Title (de)  
TROCKNUNGSOFEN UND TROCKNUNGSVERFAHREN

Title (fr)  
FOUR DE SÉCHAGE ET PROCÉDÉ DE SÉCHAGE

Publication  
**EP 3742096 C0 20230802 (EN)**

Application  
**EP 20175967 A 20200522**

Priority  
IT 201900007224 A 20190524

Abstract (en)  
[origin: EP3742096A1] Described is an oven (1) for drying painted elements, comprising a plurality of cages (2) or mats containing the painted elements, an infeed station (3a) for the painted elements and an outfeed station (3b) for the painted elements. The oven (1) also comprises at least one column (5) of housings shaped in such a way as to house respective cages (2) or mats. The housings are associated with respective air outlets configured to define zones at a different speed, temperature and/or humidity inside the drying oven (1). The oven (1) comprises a movement system (6), operatively associated with the column (5) of housings, equipped with movement means configured to transport each cage (2) or mat along a drying path wherein at least one housing defines a drying station wherein a respective cage (2) or mat stops for a preset period of time in a zone at a specific air speed, temperature and/or humidity.

IPC 8 full level  
**F26B 11/18** (2006.01); **F26B 15/10** (2006.01); **F26B 25/06** (2006.01)

CPC (source: EP)  
**F26B 11/18** (2013.01); **F26B 15/10** (2013.01); **F26B 25/063** (2013.01)

Cited by  
US11434074B2; CN115638633A; DE102021119246B3

Designated contracting state (EPC)  
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Participating member state (EPC – UP)  
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

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