

Title (en)  
Continuous furnace or wagon hearth furnace with a seal

Title (de)  
Durchlaufofen oder Herdwagenofen mit einer Dichtung

Title (fr)  
Four continu ou four à sole à chariots avec un joint d'étanchéité

Publication  
**EP 1193459 B1 20060809 (DE)**

Application  
**EP 01121496 A 20010908**

Priority  
DE 10048845 A 20001002

Abstract (en)  
[origin: EP1193459A1] Seal used for sealing a gap between a housing part (1), especially the window sill, of a furnace oven and a part (3) moving parallel to the housing part comprises a number of overlapping spring blades (9) arranged one behind the other and fixed with an end region on the housing part or the moving part and extending with the free end region in the direction of the other part (the moving part or the housing part). The free end regions of the spring blades lie under tension on a sealing strip (13) fixed to the other part (the moving part or the housing part). Preferred Features: The spring blades are made of spring steel, especially material 1.4310. The sealing strip is made of heat- and wear-resistant plastic, especially a duroplastic molding composition.

IPC 8 full level  
**F27B 9/26** (2006.01); **F27D 99/00** (2010.01)

CPC (source: EP)  
**F27B 9/262** (2013.01); **F27D 99/0073** (2013.01); **F27D 99/0076** (2013.01)

Cited by  
CN109612281A; US11709019B2; US12071676B2; WO2021243012A1; WO2021243008A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1193459 A1 20020403**; **EP 1193459 B1 20060809**; DE 10048845 A1 20020418; DE 50110673 D1 20060921

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