

Title (en)

Door sealing for a baking oven.

Title (de)

Türdichtung für einen Backofen.

Title (fr)

Joint d'étanchéité d'une porte pour un four.

Publication

EP 0180147 A2 19860507 (DE)

Application

EP 85113508 A 19851024

Priority

DE 3439336 A 19841026

Abstract (en)

1. Baking oven having a door seal (1) which comprises a continuously extruded seal profile (1) made from heat-resistant elastomeric material, in particular silicone rubber, which profile surrounds the region of the loading opening on at least three sides and has a projecting seal lip (3) and a hollow portion (5) extending in the foot region (2) having a widened shape, flat quadrant-shaped anchorage elements (10) having a bar-like extension (14) projecting radially inwards and placed centrally are inserted into the hollow portion (5) in the region of the corners of the baking oven door (16) or of the muffle frame, and are releasably hooked by means of this extension (14) into corresponding openings (15) in the door (16) or in the muffle frame, characterised in that the seal profile (1) has a slit (6) directed downwards at an angle along the entire length of its underside approximately in the centre of the hollow portion (5) corresponding to the cross-section of the anchorage element (10), in that the anchorage element (10) comprises a flat, quadrant-shaped sheet strip (11) having a bar-like extension (14) bent downwards at an angle over its entire length and starting centrally from a rear cut (13), and in that the anchorage element (10) is inserted into the hollow portion (5) by means of the slit (6) in such a way that the anchorage element (10) is surrounded by the seal profile material (18, 19) on its underside along both longitudinal edges, and the extension (14) projects outwards through the slit (6).

Abstract (de)

Bei einer Dichtung für eine eine Backofenmuffel umschließende Tür aus Silikongummi, die eine im Fußbereich verlaufende Hohlkammer und in diese flache, viertelkreisförmige Halterungselemente mit einem stegförmigen Ansatz zur Arretierung der Dichtung in der Backofentür angesetzt sind, ist zur Erleichterung der Montage und sicheren Halterung der Verankerungselemente erfindungsgemäß vorgesehen, daß das Dichtungsprofil (1) auf seiner Unterseite über die gesamte Länge einen etwa mittig von der den Querschnitt des Halterungselementes (10) entsprechenden Hohlkammer (5) schräg nach unten gerichteten Schlitz (6) aufweist, durch den der von einem Rückschnitt (13) des Halterungselementes (10) ausgehende und schräg nach unten gebogene stegförmige Ansatz (14) hindurchragt.

IPC 1-7

F24C 15/02; **E06B 7/23**; **A21B 3/02**

IPC 8 full level

A21B 3/02 (2006.01); **E06B 7/23** (2006.01); **F24C 15/02** (2006.01)

CPC (source: EP)

E06B 7/2309 (2013.01); **F24C 15/021** (2013.01)

Cited by

FR2642809A1; EP1321083A1; DE29719773U1; DE102004032931A1; EP0603874A1; GB2297784A; FR2730541A1; GB2297784B; ES2139480A1; WO2007144116A1; WO2008003708A3; WO0163181A1; DE202016107346U1; DE102017129210A1

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0180147 A2 19860507; **EP 0180147 A3 19880120**; **EP 0180147 B1 19900110**; DE 3439336 A1 19860507; DE 3575341 D1 19900215; ES 288928 U 19860116; ES 288928 Y 19861001

DOCDB simple family (application)

EP 85113508 A 19851024; DE 3439336 A 19841026; DE 3575341 T 19851024; ES 288928 U 19850904