

Title (en)
Manufacturing method of sealing elements

Title (de)
Verfahren zur Herstellung eines Dichtungselements

Title (fr)
Méthode de fabrication d'éléments d'étanchéité

Publication
EP 1279457 A9 20050907 (DE)

Application
EP 02011475 A 20020524

Priority
DE 10135974 A 20010724

Abstract (en)
[origin: EP1279457A2] Production of a sealing element having a honeycomb structure (2) fixed to a support (1) comprises: joining individual layers of the honeycomb structure; and joining the structure to the support by soldering using an aluminum or aluminum alloy soldering material. Preferred Features: Soldering is carried out at the melting point of the aluminum or above the liquidus temperature of the aluminum alloy. Heat treatment is carried out after soldering. The soldering material is present as a powder and is applied by thermal spraying, or by using a physical vapor deposition (PVD) or chemical vapor deposition (CVD) process. The honeycomb structure is made from an alloy containing iron, nickel, cobalt and/or titanium.

IPC 8 full level
B23K 1/00 (2006.01); **F28D 19/04** (2006.01)

CPC (source: EP US)
B23K 1/0014 (2013.01 - EP US); **F28D 19/047** (2013.01 - EP US); **B23K 2103/10** (2018.07 - EP US)

Cited by
CN110732842A

DOCDB simple family (publication)
EP 1279457 A2 20030129; EP 1279457 A3 20040204; EP 1279457 A8 20050622; EP 1279457 A9 20050907; EP 1279457 B1 20070124;
DE 10135974 A1 20030227; DE 50209327 D1 20070315; US 2003019914 A1 20030130; US 6745931 B2 20040608

DOCDB simple family (application)
EP 02011475 A 20020524; DE 10135974 A 20010724; DE 50209327 T 20020524; US 19814902 A 20020719