

Title (en)

Method for producing a localised diffusion coating and reactor for same

Title (de)

Verfahren zur Herstellung einer lokal begrenzten Diffusionsschicht und Reaktor hierfür

Title (fr)

Procédé de fabrication d'une couche de diffusion limitée dans l'espace et réacteur associé

Publication

EP 2551369 B1 20200902 (DE)

Application

EP 12005135 A 20120712

Priority

DE 102011108771 A 20110728

Abstract (en)

[origin: EP2551369A1] The method involves arranging metallic component (2) and dispensing package (3) comprising a to-be-diffused material. A protective gas beam which does not flow around the region of metallic component in which diffusion layer is to be formed is made to flow on metallic component. The metallic component and the dispensing package are heated to a temperature for carrying out the diffusion. The temperature is maintained for a certain time. An independent claim is included for reactor.

IPC 8 full level

C23C 10/04 (2006.01); **C23C 10/32** (2006.01); **C23C 10/38** (2006.01); **C23C 10/40** (2006.01); **C23C 10/44** (2006.01); **C23C 10/46** (2006.01); **C23C 10/48** (2006.01); **C23C 10/50** (2006.01)

CPC (source: EP US)

B05C 21/005 (2013.01 - US); **C23C 10/04** (2013.01 - EP US); **C23C 10/32** (2013.01 - EP US); **C23C 10/38** (2013.01 - EP US); **C23C 10/40** (2013.01 - EP US); **C23C 10/44** (2013.01 - EP US); **C23C 10/46** (2013.01 - EP US); **C23C 10/48** (2013.01 - EP US); **C23C 10/50** (2013.01 - EP US)

Citation (examination)

- EP 1076111 A2 20010214 - GEN ELECTRIC [US]
- EP 2551370 A1 20130130 - UNITED TECHNOLOGIES CORP [US]
- WO 03064718 A2 20030807 - SULZER METCO US INC [US], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 102011108771 B3 20120927; EP 2551369 A1 20130130; EP 2551369 B1 20200902; US 2013189429 A1 20130725

DOCDB simple family (application)

DE 102011108771 A 20110728; EP 12005135 A 20120712; US 201213560808 A 20120727