

Title (en)

A LOW TEMPERATURE PROCESS OF APPLYING HIGH STRENGTH METAL COATINGS TO A SUBSTRATE AND ARTICLE PRODUCED THEREBY

Publication

EP 0505561 A4 19940518 (EN)

Application

EP 92900032 A 19911015

Priority

US 59977390 A 19901018

Abstract (en)

[origin: WO9206797A1] A method of applying a dense (about 99 % of theoretical density) metal coating to a substrate using a converging/diverging nozzle to nebulize metal into a plume with uniform mass and thermal fluxes and a metal droplet size distribution of about 5-15 microns. Coatings may be deposited on substrates which thermally degrade at temperatures far below the melting point of the metals deposited thereon. Coated articles having strong mechanical bonds are also disclosed.

IPC 1-7

B05D 1/02

IPC 8 full level

B05D 1/08 (2006.01); **C23C 4/00** (2016.01)

CPC (source: EP)

C23C 4/123 (2016.01)

Citation (search report)

- [Y] EP 0223104 A1 19870527 - DEUTSCHE FORSCH LUFT RAUMFAHRT [DE]
- [Y] EP 0181087 A1 19860514 - WESTINGHOUSE ELECTRIC CORP [US]
- [Y] FR 2282315 A1 19760319 - OSPREY METALS LTD [GB]
- [Y] GB 2172827 A 19861001 - OSPREY METALS LTD
- [A] GB 1574711 A 19800910 - BOC LTD
- See also references of WO 9206797A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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