

Title (en)
METHOD FOR PRODUCING AN OPENLY POROUS SINTERED METAL FILM

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER GESINTERTEN METALLSCHICHT MIT OFFENER POROSITÄT

Title (fr)
PROCEDE DE REALISATION D'UNE COUCHE METALLIQUE FRITTEE A POROSITE OUVERTE

Publication
EP 1073778 B1 20020130 (DE)

Application
EP 98922732 A 19980417

Priority
EP 9802254 W 19980417

Abstract (en)
[origin: US6652804B1] A method for producing a thin openly porous metal film from a metal powder that can be sintered. The metal powder is suspended in a carrier fluid with a specific size distribution of particles, the suspension is applied to a supporting material in at least one thin film and dried, and the green layer thus formed is sintered. The thickness of the layer formed by suspension thus applied corresponds at least to the thickness (s) of the metal film to be produced after sintering, whereby (s) is at least three times the value of the diameter (D) of the powder particles, D=1-50 urn and the maximum thickness of the finished metal film is 500 mum.

IPC 1-7
C23C 24/08

IPC 8 full level
C23C 24/08 (2006.01)

CPC (source: EP KR US)
C23C 24/085 (2013.01 - EP US); **C23C 24/087** (2013.01 - KR)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB IE IT LI NL SE

DOCDB simple family (publication)
WO 9954524 A1 19991028; AT E212681 T1 20020215; DE 59802992 D1 20020314; EP 1073778 A1 20010207; EP 1073778 B1 20020130; ES 2171025 T3 20020816; JP 2002512308 A 20020423; KR 20010041043 A 20010515; US 6652804 B1 20031125

DOCDB simple family (application)
EP 9802254 W 19980417; AT 98922732 T 19980417; DE 59802992 T 19980417; EP 98922732 A 19980417; ES 98922732 T 19980417; JP 2000544849 A 19980417; KR 20007009077 A 20000818; US 64779000 A 20001005