

Title (en)

PROCESS FOR GALVANICALLY COATING OF SURFACE SEGMENTS, THAT ARE SITUATED ON THE SURFACE OF AN OBJECT AND TOOL MANUFACTURED WITH THE PROCESS, IN PARTICULAR A GRINDING WHEEL

Publication

EP 0393540 B1 19921125 (DE)

Application

EP 90107126 A 19900413

Priority

DE 3912681 A 19890418

Abstract (en)

[origin: EP0393540A2] The essence of the proposed process for electroplating surface segments situated on the surface of an object is that the surface of the object (1) is first provided by mechanical means with a corrugation or knurling (3, 4) which is coated with an insulating material (6). Exposed surface segments (7) are then produced by stripping the surface and these are electroplated. The insulating material in between is then removed. This makes it possible, for example, in the case of grinding tools on which an electroplated layer containing abrasive particles is to be deposited, to keep the segments small and to create gaps for receiving cuttings which are recessed with respect to the surface segments. <IMAGE>

IPC 1-7

B24D 7/06; **C25D 5/02**; **C25D 15/02**

IPC 8 full level

B24D 7/06 (2006.01); **B24D 18/00** (2006.01); **C25D 5/02** (2006.01); **C25D 15/02** (2006.01)

CPC (source: EP)

B24D 18/0018 (2013.01); **C25D 5/022** (2013.01)

Cited by

US5997597A; CN106591900A; EP1120196A3; US5975987A; CN107866756A; US5946991A; CN103603019A; DE19755061A1; DE19755061C2; EP0950470A3; CN1311767C; EP0530528A1; EP1346658A3; US6875098B2; WO2010100073A1; WO2006024274A1; WO9712727A1; US7140200B2; US6862898B2; US6238611B1; US6386079B2; US6959575B2

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0393540 A2 19901024; **EP 0393540 A3 19910911**; **EP 0393540 B1 19921125**; DE 3912681 A1 19901025; DE 59000498 D1 19930107

DOCDB simple family (application)

EP 90107126 A 19900413; DE 3912681 A 19890418; DE 59000498 T 19900413