

Title (en)
ANODIZED ELECTROSTATIC IMAGING SURFACE

Publication
EP 0138885 B1 19880907 (EN)

Application
EP 84901160 A 19840221

Priority
• US 46843583 A 19830222
• US 47817583 A 19830323

Abstract (en)
[origin: WO8403366A1] Dielectric sealing of porous anodized aluminum, in which moisture in the pores of the oxide coating formed by hard coat anodizing is removed, and the porous anodized surface then impregnated with a dielectric wax. Suitable wax sealants include carnauba and montan waxes. The anodized member (35) is preliminarily heated in order to drive off moisture and other substances from the pores; this heating process may be continued for the purposes of impregnating the pores with the wax sealant (35). Any excess material remaining on the member's surface is removed. After removing material from the member's surface, the member may be polished to a better than .5 micrometer finish. Dielectric imaging members (35, 36) fabricated using these techniques are suitably incorporated in high speed electrographic printers and copiers. One such printing system forms a latent electrostatic image on a dielectric cylinder (36) using an ion emitting print device (30); tones the image; transfers the toned image to an image receptor (50) using high pressure exerted between the dielectric cylinder (36) and a compliant transfer cylinder (48); scrapes off residual toner on the dielectric cylinder; and neutralizes any residual electrostatic image.

IPC 1-7
G03G 13/14; **G03G 13/22**; **G03G 15/00**; **C23C 2/00**; **G03G 5/00**

IPC 8 full level
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