

Title (en)
Conductive primer composition.

Title (de)
Elektrisch leitende Grundierung.

Title (fr)
Couche primaire conductrice.

Publication
EP 0328711 A1 19890823 (EN)

Application
EP 88102427 A 19880219

Priority
• EP 88102427 A 19880219
• CA 559228 A 19880218
• US 90156886 A 19860829

Abstract (en)
A primer composition containing solvents, a film forming binder and pigments of an electrically conductive carbon black pigment and the binder contains about (1) 40-70% by weight of a polyester copolymer having linear segment with hydroxyl groups and a hydroxyl number of about 15 - 300 and a number average molecular weight of about 300 - 3,000 and branched chains having hydroxyl groups and having a hydroxyl number of about 175 - 300 and a number average molecular weight of about 500 - 2,000 and are attached to linear segment by esterification of the hydroxyl groups with a diacid or a anhydride; and (2) 30 - 60 % by weight of an alkylated melamine formaldehyde crosslinking agent; wherein the composition forms a hard flexible coating on a substrate whereby the coated substrate can be bent 180 DEG around a 1/2 inch mandrel with the coating facing outward and the coating exhibits substantially no breaks or cracks when tested at -18 DEG C and the coating has a surface conductivity of at least 160 Randsburg units.

IPC 1-7
C09D 3/64; C09D 5/24

IPC 8 full level
H01B 1/24 (2006.01)

CPC (source: EP)
H01B 1/24 (2013.01)

Citation (search report)
• [YD] EP 0112250 A2 19840627 - DU PONT [US]
• [Y] EP 0209394 A2 19870121 - ACHESON IND INC [US]

Cited by
KR20000047282A; EP1384522A3; US2022002475A1; US6689457B1; US7144526B2; WO0061302A3; WO2004069942A1

Designated contracting state (EPC)
AT BE DE ES FR GB IT

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