

Title (en)  
METALLIC RECORDING PAPER

Publication  
**EP 0039383 B1 19870520 (DE)**

Application  
**EP 81100488 A 19810123**

Priority  
DE 3017449 A 19800507

Abstract (en)  
[origin: US4358779A] To reduce adherence of particles to electrodes and improve the contrast of recording paper, particles of oversized pigments are including in a contrast lacquer or ink layer which have a diameter such that the oversized particles or grains extend out from the lacquer or contrast layer, that is, have a diameter which is greater than the thickness of the ink layer. Suitable particles are carbon black, and calcium carbonate, particularly if darkly colored, present in about 3%-by weight-of the wet content of the lacquer layer which, for example, is a layer of nitrocellulose with finely grained carbon black pigment therein, of a thickness in the order of 1 to 10  $\mu\text{m}$ ; the additional oversized pigment granules will have a thickness in the order of about 2 to 20  $\mu\text{m}$ , preferably, on the average, about 5  $\mu\text{m}$  and embedded in lacquer layer of about 2  $\mu\text{m}$  thickness, over which a vapor deposited layer of aluminum of between 0.01 and 0.1  $\mu\text{m}$  is applied. A typical substrate is paper.

IPC 1-7  
**B41M 5/24**

IPC 8 full level  
**B41M 5/24** (2006.01)

CPC (source: EP US)  
**B41M 5/245** (2013.01 - EP US)

Cited by  
US4612243A; WO9002044A3

Designated contracting state (EPC)  
CH DE FR GB IT LI

DOCDB simple family (publication)  
**EP 0039383 A2 19811111; EP 0039383 A3 19820331; EP 0039383 B1 19870520**; DE 3017449 A1 19811112; DE 3176203 D1 19870625; JP S574794 A 19820111; US 4358779 A 19821109

DOCDB simple family (application)  
**EP 81100488 A 19810123**; DE 3017449 A 19800507; DE 3176203 T 19810123; JP 5924281 A 19810421; US 25001281 A 19810401