

Title (en)
RECORDING MEDIUM FOR RECORDING APPARATUS

Publication
EP 0039516 B1 19850911 (DE)

Application
EP 81103406 A 19810506

Priority
DE 3017450 A 19800507

Abstract (en)
[origin: US4371879A] To prevent the formation of scratches, surface discontinuities, slide tracks or striations, for example due to sliding of electrodes (20) over the metal layer (12) of a metalized recording medium, a protective surface coating (13) of low-friction sliding protective material is applied in the form of discontinuous islands over the metal layer (12). The discontinuities permit electrical contact between the electrode (20) and the metal layer (12) although the protective surface coating (13) has insulating properties. The coating (13) may be polymerized hexamethyl-disiloxane, hexafluoropropylene, or Teflon, polymerized, preferably in a hot cathode glow discharge; or a metallic soap. The protective layer is hydrophobic in the form of islands of a thickness of between 10-9m to 10-7m, preferably about 1 to 2x10-8m, thus protecting the underlying metal layer (12) against damage by the electrode (20), and attack by moisture or dampness from the ambient atmosphere. A surface portion can be rendered hydrophilic to permit writing on the recording paper by a felt pen, with aqueous ink or the like.

IPC 1-7
B41M 5/24

IPC 8 full level
B41J 2/425 (2006.01); **B41M 5/24** (2006.01)

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

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

DOCDB simple family (publication)
EP 0039516 A2 19811111; **EP 0039516 A3 19820428**; **EP 0039516 B1 19850911**; DE 3017450 A1 19811112; DE 3172207 D1 19851017; JP S574795 A 19820111; US 4371879 A 19830201; US RE31827 E 19850205

DOCDB simple family (application)
EP 81103406 A 19810506; DE 3017450 A 19800507; DE 3172207 T 19810506; JP 6884781 A 19810507; US 26161181 A 19810507; US 55529583 A 19831125