Title (en)

MULTI-PURPOSE PHENOL-FREE DIRECT THERMAL RECORDING MEDIA

Title (de)

PHENOL-FREIE MEHRZWECK THERMODIREKT-AUFZEICHNUNGSMEDIEN

Title (fr)

SUPPORT D'ENREGISTREMENT THERMIQUE DIRECT POLYVALENT SANS PHÉNOL

Publication

EP 4259449 B1 20240619 (EN)

Application

EP 20838767 A 20201210

Priority

US 2020064342 W 20201210

Abstract (en)

[origin: WO2022125104A1] Non-phenolic direct thermal recording media have a thermally responsive layer containing a leuco dye and a plurality of non-phenolic developers including 1,3-diphenyl urea (DPU) and urea urethane (UU). This chemistry enables multi-purpose recording materials capable of withstanding multiple different types of environmental conditions or agents — such as a water soak, contact with polyvinyl chloride meat wrapping film, boiling water, dry and humid heat, sunlight, and. contact with hand, sanitizer. The unique non-phenolic chemistry allows the product's thermally responsive layer to have an ultra-low coat, weight, less than 1.48 g/m2.

IPC 8 full level

B41M 5/333 (2006.01)

CPC (source: EP KR)

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Designated contracting state (EPC)

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