

Title (en)

PRINTABLE ELECTRICAL COMPONENT COMPRISING A PLASTIC SUBSTRATE

Title (de)

DRUCKBARES ELEKTRISCHES BAUTEIL AUFWEISEND EIN KUNSTSTOFFSUBSTRAT

Title (fr)

COMPOSANT ÉLECTRIQUE IMPRIMABLE COMPORTANT UN SUBSTRAT EN MATIÈRE PLASTIQUE

Publication

EP 4042844 A2 20220817 (DE)

Application

EP 20790234 A 20201009

Priority

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- EP 2020078352 W 20201009

Abstract (en)

[origin: CA3150609A1] A medical device comprises a printable electrical component, the printable electrical component comprising a plastic substrate. At least one electrical component is applied to the plastic substrate. The electrical component comprises a dried conductive ink. The plastic substrate is selected from a group comprising polycarbonate, cycloolefin copolymers, polymethyl-methacrylate, and polypropylene. The dried, conductive ink comprises silver and/or gold. The electrical component comprises at least one conductor section or at least two electrodes. The medical device comprises a fluid line, the printable electrical component being located on the outside of the fluid line. A process for producing the printable electrical component comprises obtaining a plastic substrate, applying a conductive ink onto the plastic substrate, the conductive ink comprising silver and/or gold, and drying of the conductive ink.

IPC 8 full level

H05K 1/16 (2006.01)

CPC (source: CN EP US)

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Citation (search report)

See references of WO 2021069631A2

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