

Title (en)
METHOD FOR PRODUCING AN ELECTRONIC DEVICE

Title (de)
VERFAHREN ZUM HERSTELLEN EINER ELEKTRONISCHEN VORRICHTUNG

Title (fr)
PROCÉDÉ DE PRODUCTION DE DISPOSITIF ÉLECTRONIQUE

Publication
EP 4008027 A1 20220608 (DE)

Application
EP 20754616 A 20200727

Priority
• DE 102019005455 A 20190802
• EP 2020025347 W 20200727

Abstract (en)
[origin: WO2021023394A1] The invention relates to a method for producing an electronic device (1, 2, 9), having the steps of providing a carrier substrate (3); applying aqueous washable ink drops (4) onto the carrier substrate (3) in a controlled and printed manner in first regions (5) which form a first motif; applying a metallization (7, 8) onto the carrier substrate such that metal (8) is deposited on the carrier substrate (3) in the shape of a regular continuous metal grid in second regions (6) which form a second motif outside of the first regions (5) which form a first motif, wherein the first regions (5) which have the washable ink drops (4) and form a first motif form regular islands within the regular continuous metal grid, and metal (7) is deposited over the washable ink drops (4) in the first regions (5) which form a first motif; and removing the washable ink drops (4) in the first regions (5) together with the metal (7) present thereon such that the obtained carrier substrate (3) is provided such that the carrier substrate does not have a metallization in the first regions (5) which form a first motif and have a transparent conductive metallization in the shape of a regular continuous grid in the second regions (6) which form a second motif.

IPC 8 full level
H01L 51/00 (2006.01); **H01L 51/56** (2006.01)

CPC (source: CN EP)
H05K 3/12 (2013.01 - CN); **H05K 3/1275** (2013.01 - CN); **H10K 71/00** (2023.02 - CN EP); **H10K 71/611** (2023.02 - EP); **H10K 71/162** (2023.02 - CN EP); **Y02E 10/549** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102019005455 A1 20210204; CN 114009155 A 20220201; EP 4008027 A1 20220608; WO 2021023394 A1 20210211

DOCDB simple family (application)
DE 102019005455 A 20190802; CN 202080047174 A 20200727; EP 2020025347 W 20200727; EP 20754616 A 20200727