

Title (en)

PRINTER AND METHOD FOR MANUFACTURING ELECTRONIC CIRCUITS AND DISPLAYS

Title (de)

DRUCKER UND VERFAHREN ZUR HERSTELLUNG VON ELEKTRONISCHEN SCHALTUNGEN UND ANZEIGEN

Title (fr)

IMPRIMANTE ET PROCEDE DE FABRICATION DE CIRCUITS ELECTRONIQUES ET D'AFFICHEURS

Publication

**EP 1537561 A4 20080423 (EN)**

Application

**EP 03751960 A 20030902**

Priority

- US 0327525 W 20030902
- US 23430102 A 20020904
- US 23430202 A 20020904

Abstract (en)

[origin: WO2004022343A2] A display stratum (224) is formed comprising light emitting pixels for displaying information fabricated by printing conductive polymer microcapsules (218). Electronic devices are fabricated by the inventive printing method provides electrically reactive microcapsules (218) at discrete locations. A battery stratum (212) fabricated by the inventive printing method provides electrical energy to the display components. A thin, lightweight, flexible, bright, wireless display can be formed by the inventive printing method on a flexible substrate (210). A user input stratum (222) receives user input and generates the user signals.

IPC 8 full level

**G03G 15/00** (2006.01); **B05D 5/06** (2006.01); **G09F 9/37** (2006.01); **G09G 5/00** (2006.01); **H01L 51/00** (2006.01); **H05B 33/10** (2006.01)

IPC 8 main group level

**B41J** (2006.01)

CPC (source: EP KR)

**B05D 5/06** (2013.01 - KR); **G03G 15/1625** (2013.01 - EP); **G09G 5/00** (2013.01 - KR); **H05B 33/10** (2013.01 - KR); **H10K 71/13** (2023.02 - EP)

Citation (search report)

- [XY] US 5416569 A 19950516 - GOLDBERG MICHAEL [US]
- [X] WO 0021690 A1 20000420 - ELECTROX CORP [US], et al
- [Y] EP 1162673 A2 20011212 - EASTMAN KODAK CO [US]
- [X] US 4122459 A 19781024 - SCHLOEMANN ERNST F R A, et al
- See references of WO 2004022343A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2004022343 A2 20040318; WO 2004022343 A3 20040415**; AU 2003270067 A1 20040329; AU 2003270067 A8 20040329; CN 100419845 C 20080917; CN 1679079 A 20051005; EP 1537561 A2 20050608; EP 1537561 A4 20080423; JP 2006500607 A 20060105; KR 20050057192 A 20050616

DOCDB simple family (application)

**US 0327525 W 20030902**; AU 2003270067 A 20030902; CN 03821069 A 20030902; EP 03751960 A 20030902; JP 2004534470 A 20030902; KR 20057003791 A 20050304