

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)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

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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