

Title (en)
Anisotropic printing device and method

Title (de)
Anisotrope Druckvorrichtung und Verfahren

Title (fr)
Dispositif d'impression anisotrope et méthode

Publication
EP 0713155 A3 19970604 (DE)

Application
EP 95117918 A 19951114

Priority
• US 46932395 A 19950606
• US 34213594 A 19941118

Abstract (en)
[origin: EP0713155A2] The printing device uses a recording component, e.g. a roller (12), with a dielectric outer surface (12a) having a matrix of conductivity points (42). A cooperating printing head (14) positioned adjacent the dielectric surface is used for generating variable electrical charges at the dielectric surface representing parts of a recorded image, in response to voltages applied across sets of voltage supply points within the printing head. Pref. the conductivity points are embedded in the dielectric layer, with a conductive underlying layer coupled to each of these points via couplings with a resistance which is less than that of the dielectric.

IPC 1-7
G03G 15/00; **G03G 15/32**

IPC 8 full level
B41J 2/415 (2006.01); **B41J 2/39** (2006.01); **G03G 15/32** (2006.01); **G03G 17/00** (2006.01)

CPC (source: EP US)
B41J 2/39 (2013.01 - EP US); **G03G 15/321** (2013.01 - EP US); **G03G 15/325** (2013.01 - EP US)

Citation (search report)
• [DYA] US 5325120 A 19940628 - KUEHNLE MANFRED R [US]
• [A] US 3684075 A 19720815 - STALLER KAREL JAN, et al
• [YA] PATENT ABSTRACTS OF JAPAN vol. 007, no. 010 (P - 168) 14 January 1983 (1983-01-14)
• [A] "LOW-VOLTAGE ELECTROGRAPHY USING MONOCOMPONENT DEVELOPMENT", IBM TECHNICAL DISCLOSURE BULLETIN, vol. 33, no. 1A, 1 June 1990 (1990-06-01), pages 114/115, XP000120024
• [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 412 (P - 932) 12 September 1989 (1989-09-12)

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EP 0713155 A2 19960522; **EP 0713155 A3 19970604**; **EP 0713155 B1 20020814**; AT E222380 T1 20020815; CN 1059392 C 20001213; CN 1131096 A 19960918; DE 59510320 D1 20020919; JP H08262924 A 19961011; US 6031552 A 20000229

DOCDB simple family (application)
EP 95117918 A 19951114; AT 95117918 T 19951114; CN 95117539 A 19951117; DE 59510320 T 19951114; JP 29973395 A 19951117; US 46932395 A 19950606