

Title (en)
FULL TONE ELECTROPHOTOGRAPHIC IMAGING REPRODUCTION

Publication
EP 0171273 A3 19870729 (EN)

Application
EP 85305528 A 19850802

Priority
US 63806684 A 19840806

Abstract (en)
[origin: EP0171273A2] A method of electrostatically reproducing a photographic image comprising the sequential steps of: (1) bringing an electrode into intimate contact with a photoreceptor, the photoreceptor having a dielectric substrate and a photoconductive film intimately bonded to the substrate, the electrode having a lower belt of flexible material, an intermediate conductive film intimately bonded to the belt and grounded, and an upper layer of dielectric material bonded to the conductive film and constructed and arranged to be brought into intimate contact with the substrate of the photoreceptor along a length of the electrode; (2) charging the photoreceptor with an electrostatic charge of one polarity and projecting an image of a photograph on the receptor, (3) charging the photoreceptor with an electrostatic charge of opposite polarity, (4) projecting a photographic image of the subject again on the photoreceptor and applying a booster potential of said opposite polarity to the photoreceptor, (5) moving the electrode away from the photoreceptor and applying particulate toner material carrying a charge of said one polarity to the photoconductive film of the photoreceptor, (6) charging a sheet of material with an electrostatic charge of said opposite polarity and applying the sheet to the photographic film of the photoreceptor, (7) removing the sheet from the photoreceptor, and (8) fusing the toner material on the sheet whereby the reproduction of the photographic image is fixed thereon. Apparatus consist of a plurality of means for carrying out the method.

IPC 1-7
G03G 13/22; **G03G 15/22**

IPC 8 full level
G03G 15/047 (2006.01); **G03G 13/04** (2006.01); **G03G 13/22** (2006.01); **G03G 13/26** (2006.01); **G03G 15/04** (2006.01); **G03G 15/05** (2006.01); **G03G 15/22** (2006.01)

CPC (source: EP)
G03G 13/22 (2013.01); **G03G 15/22** (2013.01)

Citation (search report)
• [A] DE 3139109 A1 19820513 - OLYMPUS OPTICAL CO [JP]
• [A] DE 1522567 A1 19690918 - CANON CAMERA CO
• [A] PATENT ABSTRACTS OF JAPAN, vol. 4, no. 78 (P-14)[560], 6th June 1980; & JP - A - 55 43566 (FUJI XEROX) 27-03-1980

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0171273 A2 19860212; **EP 0171273 A3 19870729**; **EP 0171273 B1 19911030**; DE 3584550 D1 19911205; JP S61112171 A 19860530

DOCDB simple family (application)
EP 85305528 A 19850802; DE 3584550 T 19850802; JP 17224285 A 19850805