

Title (en)

ELECTROSTATIC IMAGING BY MODULATION OF ION FLOW.

Title (de)

ELEKTROSTATISCHE BILDFORMUNG DURCH IONENFLUSSMODULIERUNG.

Title (fr)

IMAGERIE ELECTROSTATIQUE PAR MODULATION DU FLUX D'IONS.

Publication

**EP 0241459 A4 19890711 (EN)**

Application

**EP 85905352 A 19851015**

Priority

US 8501989 W 19851015

Abstract (en)

[origin: WO8702451A1] Method and apparatus for ion projection electrographic imaging using a self-limiting discharge ion source (10). A pool of ions is generated by a high voltage time-varying potential (17) between two electrodes (14 and 18) separated by a solid dielectric (16); ions are extracted by means of an electrical field between one of the electrodes and a further electrode member (160). An apertured ion-modulating plate (20) is interposed between the ion source (10) and an image receptor surface (150) in order to modulate the cross-section of ion flow, thereby forming a desired electrographic image. This device enjoys the advantages of high print uniformity, simplicity of construction, and reliable, durable operation.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [AD] US 4409604 A 19831011 - FOTLAND RICHARD A [US]
- See references of WO 8702451A1

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