



US005101216A

# United States Patent [19]

[11] Patent Number: **5,101,216**

Mey et al.

[45] Date of Patent: **Mar. 31, 1992**

[54] **XEROPRINTING USING A CORONA CHARGE INJECTION MODIFYING MATERIAL**

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### [57] ABSTRACT

[21] Appl. No.: **586,623**

A xeroprinting master is formed by depositing a corona charge injection modifying material on a master substrate which includes a charge transport layer. The material can block the injection of charge that would otherwise inject into the charge transport layer or it can inject charge that would otherwise remain on the surface of the master. Preferably, the deposit is made by a conventional printer such as an ink jet, impact or thermal printer and the resulting deposit is not fused before use in xeroprinting.

[22] Filed: **Sep. 21, 1990**

[51] Int. Cl.<sup>5</sup> ..... **G01D 9/00; B41M 5/025**

[52] U.S. Cl. .... **346/1.1; 101/466; 101/DIG. 37**

[58] Field of Search ..... 101/465, 466, 489, DIG. 37; 427/14.1; 346/1.1

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**17 Claims, 3 Drawing Sheets**