

Title (en)  
LIQUID DEVELOPER AND APPROPRIATE CHARGE CONTROL AGENT

Publication  
**EP 0001103 B1 19810916 (DE)**

Application  
**EP 78100815 A 19780904**

Priority  
DE 2740870 A 19770910

Abstract (en)  
[origin: US4243736A] This invention relates to an improvement in a liquid developer for the development of electrostatic charge images, comprising an electrically insulating carrier liquid in which pigments or dyestuffs, resinous binders, a polarity control agent, and conventional additives are dispersed or dissolved, the improvement that the polarity control agent is a copolymer which is soluble in the carrier liquid and is composed of 1 to 50 percent by weight of N-vinyl-2-pyrrolidone and 50 to 99 percent by weight of a methacrylic acid ester.

IPC 1-7  
**G03G 9/12**

IPC 8 full level  
**G03G 9/12** (2006.01); **G03G 9/13** (2006.01)

CPC (source: EP US)  
**G03G 9/131** (2013.01 - EP US)

Cited by  
EP0037475A1; US5047306A; US5264313A; EP0102039A1; WO9014617A1; WO9008983A1

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**EP 78100815 A 19780904**; AU 3967978 A 19780908; DE 2740870 A 19770910; DE 2861086 T 19780904; JP 10846178 A 19780904; US 94060178 A 19780908