

[54] **MULTIPLE XEROPRINTED COPIES FROM A SINGLE EXPOSURE USING PHOTSENSITIVE FILM BUFFER ELEMENT**

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[58] Field of Search **430/51, 55**

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[57] **ABSTRACT**

Disclosed is a method of improving the sharpness of multiple copies made from a single imagewise exposure

using an electrostatographic film buffer element having an insulating layer in between a conductive layer and a photoconductive layer, where the element is simultaneously charged and imagewise exposed and then uniformly exposed with light to bury the charges. The improvement consists of performing the uniform exposure with light that is absorbed by the photoconductive layer and does not penetrate through the photoconductive layer to the insulating layer. Also disclosed is apparatus useful for making multiple copies which comprises an electrostatographic film buffer element which comprises, (A) in order, a conductive layer, an insulating layer, and a photoconductive layer, (B) means for simultaneously charging the imagewise exposing the element, and (C) means for uniformly exposing the element with light that is absorbed by the photoconductive layer and does not penetrate through the photoconductive layer to the insulating layer. Also disclosed is a method of making multiple electrostatographic copies comprising simultaneously charging and imagewise exposing an electrostatographic film buffer element which comprises, in order, a conductive layer, an insulating layer, and a photoconductive layer, uniformly exposing the element with light that is absorbed by the photoconductive layer and does not penetrate through the photoconductive layer to the insulating layer, thereby forming a latent electrostatic image on the insulating layer, developing the latent electrostatic image and transferring the developed image to a receiver, and repeating the previous step without additional imagewise exposures of the element.

8 Claims, 5 Drawing Sheets

