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Chadha

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(54) **SUSPENSIONS AND METHODS FOR DEPOSITION OF LUMINESCENT MATERIALS AND ARTICLES PRODUCED THEREBY**

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(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.

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(58) **Field of Search** 204/490, 491; 427/64, 157

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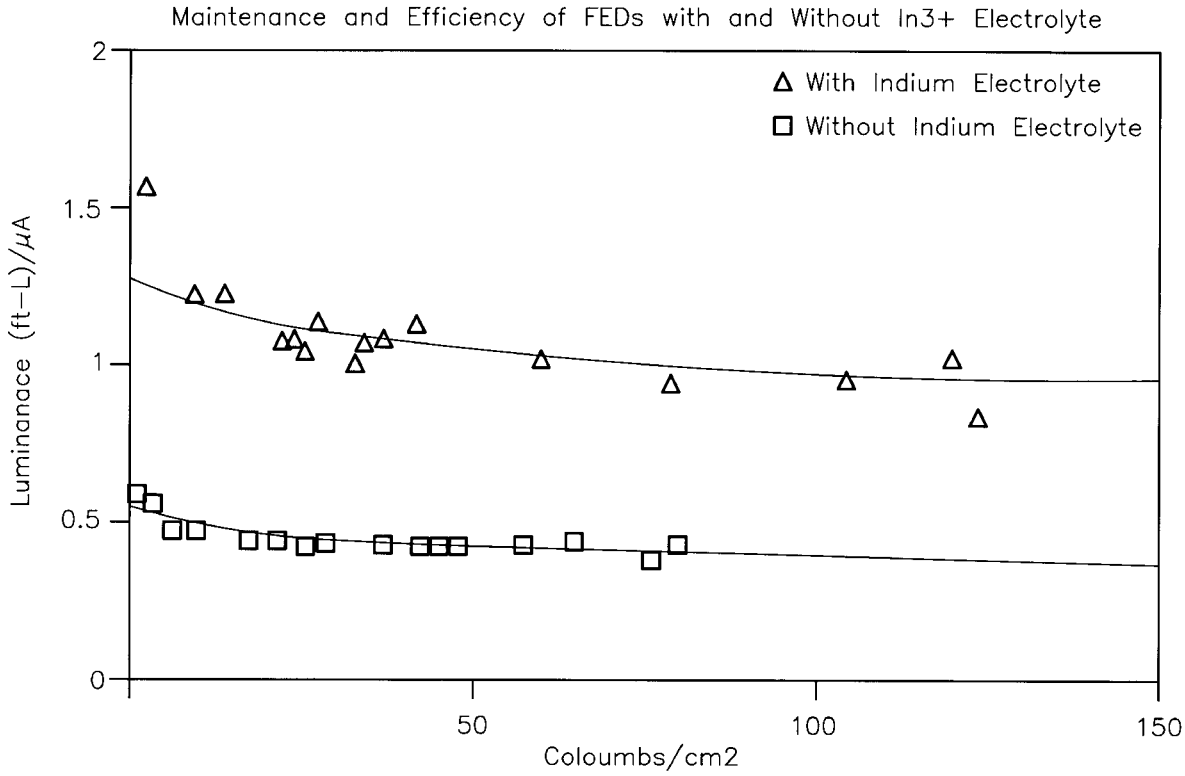
(57) **ABSTRACT**

The present invention provides suspensions and methods for depositing luminescent materials (e.g., phosphors) using electrophoresis, particularly during the preparation of display devices, such as field emission display devices, and the articles produced thereby. The luminescent material is deposited onto a substrate having thereon a metal-containing transparent, conductive coating. The suspension includes a nonaqueous liquid, a luminescent material, and a salt of a metal of the transparent, conductive coating.

23 Claims, 2 Drawing Sheets