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Kecht et al.

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(54) **SECURITY FEATURE**

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See application file for complete search history.

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(57) **ABSTRACT**

The invention relates to a security feature with a luminescent pigment which has a host lattice doped with a luminophore and which is optically excitable to emit luminescent light. The luminescent light of the luminescent pigment has a luminescence spectrum with a first luminescence peak and a second luminescence peak whose peak intensities respectively depend on an amount fraction x of the luminophore in the luminescent pigment. In the luminescent pigment according to the invention, the host lattice and the luminophore and the amount fraction x of the luminophore are chosen such that even a slight increase or reduction of the amount fraction x of the luminophore causes a strong relative change of the peak intensities I_A and I_B. This increases the forgery-proofness of the luminescent pigment according to the invention.

15 Claims, 2 Drawing Sheets

