

[54] **RANDOM DOT GENERATOR FOR RASTER SCAN VIDEO DISPLAYS**

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[57] **ABSTRACT**

A Linear-Feedback-Shift-Register produces a pseudo-random sequence of bits that are used to produce a stationary random pattern of dots on a standard raster scan video display. The density of dots is adjustable as is their intensity. This dot pattern may be combined with other video sources and thus may serve as a background for the playing of TV video games, especially those of the "space war" variety. The dot pattern may also be moved as a whole under player control and thus form the basis for a novel type of video game to be described.

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[58] **Field of Search** 340/732, 734, 744;
358/182, 183; 328/187

[56] **References Cited**

U.S. PATENT DOCUMENTS

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11 Claims, 7 Drawing Figures

