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Faroudja

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(54) **PROGRESSIVE SCAN VIDEO PROCESSING**

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H04N 5/783 (2006.01)

(52) **U.S. Cl.**
USPC **375/240**; 386/264

(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A method and system for separating even and odd lines in a progressive video signal comprises generating from the even lines simulated odd lines, comparing the simulated odd lines with the original odd lines to obtain a support signal, and transmitting the even lines and the support signal in order to reconstitute the full picture. Alternatively, separating odd and even lines may be replaced by separating high- and low-frequency vertical signal components, generating from the low-frequency vertical signal components simulated high-frequency vertical signal components, comparing the simulated high-frequency vertical signal components with the original high-frequency signal components to obtain a support signal.

8 Claims, 9 Drawing Sheets

