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Faroudja

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(54) **MULTIDIMENSIONAL VIDEO PROCESSING**

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U.S. Appl. No. 13/860,625, filed Apr. 11, 2013, entitled, "Progressive Scan Video Processing."

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Related U.S. Application Data

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(57) **ABSTRACT**

A method and system for multidimensional video processing comprises preprocessing a video signal in at least two of horizontal, vertical and temporal dimensions of the video signal to reduce an amount of information of the video signal to obtain an information-reduced signal and filtered components that are separated from the video signal; and using the information-reduced signal to generate simulated filtered components, and generating support signals based on a difference between the filtered components and the simulated filtered components.

(52) **U.S. Cl.**
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USPC **375/240.29**; 375/240

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USPC 348/97, 446, 607; 375/240.01-240.29
See application file for complete search history.

26 Claims, 5 Drawing Sheets

