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Brady et al.

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(54) **MULTI-SENSOR COMPRESSIVE IMAGING**

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(58) **Field of Classification Search**

None
See application file for complete search history.

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(57) **ABSTRACT**

Multi-sensor compressive imaging systems can include an imaging component (such an RF, microwave, or mmW metamaterial surface antenna) and an auxiliary sensing component (such as an EO/IR sensor). In some approaches, the auxiliary sensing component includes a structured light sensor configured to identify the location or posture of an imaging target within a field of view of the imaging component. In some approaches, a reconstructed RF, microwave, or mmW image may be combined with a visual image of a region of interest to provide a multi-spectral representation of the region of interest.

40 Claims, 7 Drawing Sheets

