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Isikman et al.

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(54) **UV DOSIMETRY AND EXPOSURE ALERT**

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G01J 1/44 (2006.01)
G01J 1/42 (2006.01)

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CPC ***G01J 1/429*** (2013.01); ***G01J 1/4204*** (2013.01); ***G01J 1/4228*** (2013.01); ***G01J 1/44*** (2013.01)

(58) **Field of Classification Search**
CPC G01J 1/429; G01J 1/4204; G01J 1/4228; G01J 1/44
See application file for complete search history.

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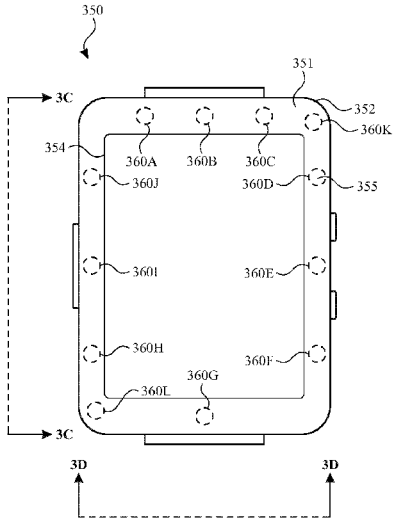
(57) **ABSTRACT**

A UV dosimeter function is provided in a portable multi-function device. The device utilizes a UV light sensor to detect the user's presence while outdoors and measure the cumulative outdoor exposure time. The cumulative UV exposure is optionally provided via a messaging service or alert, and a UV index value is optionally utilized with the cumulative outdoor exposure to determine the risk of skin damage and to provide user guidance relating to recommended protective measures. An ambient light sensor is optionally provided and is used to augment the UV light thresholds used to determine the light exposure state.

20 Claims, 17 Drawing Sheets