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(54) **ADJUSTING DISPLAY BRIGHTNESS AND/OR REFRESH RATES BASED ON EYE TRACKING**

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G06F 3/048 (2006.01)

(52) **U.S. Cl.** **715/802**; 715/764; 715/767; 715/805; 715/821; 715/823

(58) **Field of Classification Search** 345/156; 715/821, 805, 863, 764, 767, 802, 823
See application file for complete search history.

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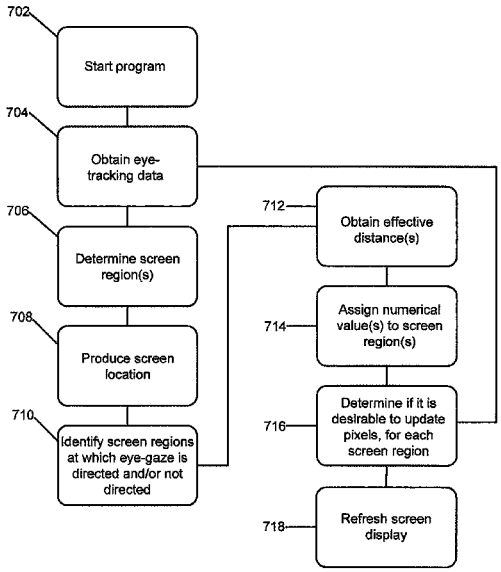
(57) **ABSTRACT**

A device may determine an area at which a user gazes on the display screen. The device may identify on the display screen a screen region which does not overlap the area, may darken the identified screen region, and/or may refresh the display screen by updating a screen region that overlaps the area and not updating the identified screen region.

23 Claims, 7 Drawing Sheets