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Honda et al.

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(54) **APPARATUS FOR INCREASING THE LIFESPAN OF LIGHT EMITTING UNITS AND IMAGE FORMING APPARATUS HAVING THE SAME**

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(52) **U.S. Cl.**
CPC ***G03G 15/043*** (2013.01)

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CPC G06K 15/1247; B41J 2/45; H04N 1/502; G03G 15/01; G03G 15/0126; G03G 15/04045; G03G 15/0849; G03G 18/0853; G03G 15/32; G03G 15/326; G03G 15/36; G03G 15/50; G03G 15/502; G03G 15/5041; G03G 17/00; G03G 5/02

See application file for complete search history.

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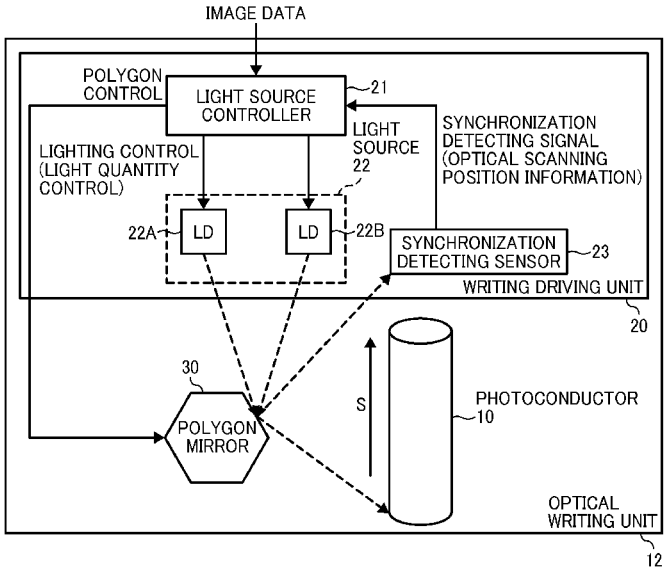
(57) **ABSTRACT**

An image forming apparatus is provided. The image forming apparatus includes a light source including a plurality of light emitting units to emit light corresponding to image data, and a light source controller to independently control lighting of each one of the light emitting units. The light source controller switches activation and deactivation of one or more of the light emitting units when the number of to-be-used light emitting units is smaller than the total number of the light emitting units included in the light source.

18 Claims, 6 Drawing Sheets