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Lucas

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(54) **LIGHT ASSEMBLY FOR SPRAY PAINT GUN**

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362/800; 248/224.8, 225.11, 200, 300
See application file for complete search history.

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(56) **References Cited**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 209 days.

U.S. PATENT DOCUMENTS

(21) Appl. No.: **14/103,340**

3,784,804 A	1/1974	Sabatelli et al.
3,812,340 A	5/1974	Brandt et al.
4,291,839 A	9/1981	Brett
4,912,750 A	3/1990	Foster
5,873,647 A	2/1999	Kurtz et al.
2010/0214768 A1	8/2010	Dixon et al.

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Related U.S. Application Data

(63) Continuation-in-part of application No. 13/564,905, filed on Aug. 2, 2012, now abandoned.

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(51) **Int. Cl.**
B25B 23/18 (2006.01)
B05B 15/00 (2006.01)
F21V 33/00 (2006.01)

(57) **ABSTRACT**

A compact light assembly is adapted for use with a spray paint gun. The spray paint gun has a spray gun body and a spray nozzle assembly including a nozzle fitting and a spray nozzle that threads onto the nozzle fitting. The light assembly includes a light bracket, LED lights, a battery pack and a switch. The light bracket has a mounting plate which has an opening for receiving the nozzle fitting of the spray nozzle assembly. The light bracket receives the nozzle fitting and the spray nozzle is threaded onto the nozzle fitting until the mounting plate. The LED lights, the battery pack and the switch are also mounted to the light bracket. The LED lights are arranged around the nozzle and shine light on an area that includes the area receiving paint from the paint gun.

(52) **U.S. Cl.**
CPC **B05B 15/00** (2013.01); **F21V 33/00** (2013.01)

(58) **Field of Classification Search**
CPC B05B 15/00; F21V 33/00; F21V 33/0084; B25B 23/18; B25F 5/021; F41G 1/35; Y10S 239/14

11 Claims, 14 Drawing Sheets

