

US008362700B2

(12) United States Patent

Richmond

(54) SOLAR POWERED LIGHT ASSEMBLY TO PRODUCE LIGHT OF VARYING COLORS

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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

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Related U.S. Application Data

(63) Continuation of application No. 12/286,553, filed on Sep. 29, 2008, now abandoned, which is a continuation of application No. 11/102,229, filed on Apr. 7, 2005, now Pat. No. 7,429,827, which is a continuation-in-part of application No. 10/789,488, filed on Feb. 26, 2004, now Pat. No. 7,196,477.

(30) Foreign Application Priority Data

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- (51) Int. Cl. *H05B 37/02* (2006.01)

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,909,097 A	10/1959	Alden et al.
3,746,918 A	7/1973	Drucker et al
3,757,511 A	9/1973	Burgess et al

(10) Patent No.: US 8,362,700 B2

(45) Date of Patent: *Jan. 29, 2013

4,057,439 A	11/1977	Lindmayer
4,240,021 A	12/1980	Kashima et al.
4,241,493 A	12/1980	Andrulitis et al.
4,280,853 A	7/1981	Palazzetti et al.
4,298,869 A	11/1981	Okuno
4,321,417 A	3/1982	Kurth et al.
4,329,625 A	5/1982	Nishizawa et al.
4,367,464 A	1/1983	Kurahashi et al.
4,388,567 A	6/1983	Yamazaki et al.
4,420,711 A	12/1983	Takahashi et al.

(Continued)

OTHER PUBLICATIONS

NJD Case # 3:09-cv-02495, Document 111: Brief in Opposition re 94 Motion for Partial Summary Judgment of Invalidity Due to Violation of the Best Mode Requirement filed by Adventive Ideas, LLC, International Development LLC. (Attachments: # 1 Declaration of Theodore Shiells, #2 Declaration of Simon Richmond, #3 Ducharme Expert Report in Rebuttal-1of11, # 4 Ducharme Expert Report in Rebuttal-2of11, # 5 Ducharme Expert Report in Rebuttal-3of11, # 6 Ducharme Expert Report in Rebuttal-4of11, # 7 Ducharme Expert Report in Rebuttal-5of11, #8 Durcharme Expert Report in Rebuttal-6of11, # 9 Ducharme Expert Report in Rebuttal-7of11, # 10 Ducharme Expert Report in Rebuttal-8of11, # 11 Ducharme Expert Report in Rebuttal-9of11, #12 Ducharme Expert Report in Rebuttal-10of11, # 13 Ducharme Expert Report in Rebuttal-11of11, # 14 Adventive Responsive Statement of Material Facts re Best Mode, # 15 Statement of Disputed Material Facts)(Cox, Donald) (Published: Jan. 18, 2011).

(Continued)

Primary Examiner - Douglas W. Owens

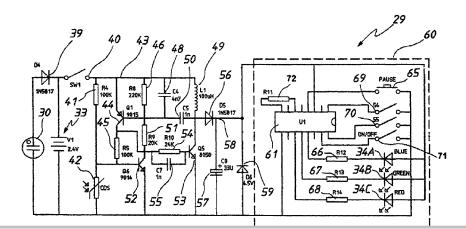
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(57) ABSTRACT

A garden light (10) having a body (11) with a post (12), the lower end of which is provided with a spike (13). The upper end of the post (12) receives a lens assembly (14). Secured to the lens assembly (14) is a cap assembly (24) that has three LEDs that are activated to produce a varying color light.

47 Claims, 8 Drawing Sheets



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U.S. PATENT DOCUMENTS

0.5	TAILINI	DOCUMENTS
4,625,152 A	11/1986	Nakai
4,727,289 A	2/1988	Uchida
4,845,481 A	7/1989	Havel
4,887,074 A	12/1989	Simon et al.
4,992,704 A	2/1991	Stinson
4,999,060 A	3/1991	Szekely et al.
5,003,227 A	3/1991	Nilssen
5,008,595 A	4/1991	Kazar
5,062,028 A	10/1991	Frost et al.
5,126,634 A	6/1992	Johnson
5,134,387 A	7/1992	Smith et al.
5,164,715 A	11/1992	Kashiwabara
5,184,114 A	2/1993	Brown
5,226,723 A	7/1993	Chen
5,254,910 A	10/1993	Yang
5,256,948 A	10/1993	Boldin et al.
5,282,121 A	1/1994	Bornhorst et al.
5,294,865 A	3/1994	Haraden
5,350,977 A	9/1994	Hamamoto
5,357,170 A	10/1994	Luchaco et al.
5,374,876 A	12/1994	Horibata et al.
5,388,357 A	2/1995	Malita
5,404,282 A	4/1995	Klinke et al.
5,406,176 A	4/1995	Sugden
5,410,328 A	4/1995	Yoksza et al.
5,420,482 A	5/1995	Phares
5,436,535 A	7/1995	Yang
5,463,280 A	10/1995	Johnson
5,504,395 A	4/1996	Johnson et al.
5,545,950 A	8/1996	Cho
5,561,346 A	10/1996	Byrne
5,575,459 A	11/1996	Anderson
5,592,051 A	1/1997	Korkala
5,751,118 A	5/1998	Mortimer
5,821,695 A	10/1998	Vilanilam et al.
6,016,038 A	1/2000	Mueller et al.
6,120,165 A	9/2000	Shalvi
6,150,774 A	11/2000	Mueller et al.
6,459,919 B1	10/2002	Lys et al.
6,517,217 B1		Liao 362/235
6,528,782 B1		Zhang et al 250/226
6,608,453 B2	8/2003	Morgan et al.
6,729,742 B2	5/2004	Wismeth et al.
6,769,907 B2	8/2004	Doud
6,784,357 B1	8/2004	Wang
6,881,893 B1	4/2005	Cobert
6,965,205 B2	11/2005	Piepgras et al.
7,064,498 B2	6/2006	Dowling et al.
7,161,311 B2		Mueller et al
7,186,003 B2	3/2007	Dowling et al.
7,196,477 B2	3/2007	Richmond
7,336,157 B2	2/2008	Richmond
7,429,827 B2		Richmond 315/149
7,497,588 B2	3/2009	Browder
7,708,424 B2	5/2010	Richmond
2003/0137831 A1	7/2003	Lin
2005/0156103 A1	7/2005	May et al.
		· · · · · ·

OTHER PUBLICATIONS

NJD Case # 3:09-cv-02495, Document 89: Motion for Partial Summary Judgment of Invalidity by International Development LLC. (Attachments: # 1 Brief, # 2 Statement of Undisputed Material Facts, # 3 Declaration of Duane G. Laurent—Part I, # 4 Declaration of Duane G. Laurent—Part II, # 5 Declaration of Duane G. Laurent— Part III, # 6 Declaration of Zackary W. Hilton, # 7 Exhibit A to Hilton, # 8 Exhibit B to Hilton, # 9 Exhibit C to Hilton, # 10 Exhibit D to Hilton, # 11 Exhibit E to Hilton, # 12 Exhibit E2 to Hilton, # 13 Exhibit F to Hilton, # 14 Exhibit F2 to Hilton, # 15 Exhibit G to Hilton, # 16 Declaration of Chi-Gon Chen, # 17 Exhibit A to Chen, # 18 Exhibit B to Chen, # 19 Exhibit C to Chen, # 20 Declaration of John Browder, # 21 Exhibit A to Browder, # 22 Exhibit B to Browder, # 23 Exhibit B to Browder, # 24 Exhibit C to Browder, # 25 Exhibit

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I to Browder, # 31 Exhibit J to Browder, # 32 Exhibit K to Browder, # 33 Exhibit L to Browder, # 34 Exhibit M to Browder, # 35 Exhibit N to Browder, # 36 Exhibit O to Browder, # 37 Text of Proposed Order, # 38 Certificate of Service) (Shepherd, Robert) (Published: Dec. 10, 2010).

U.S. Appl. No. 60/322,765, filed Sep. 17, 2001, Mueller.

U.S. Appl. No. 60/329,202, filed Oct. 12, 2001, Mueller et al.

U.S. Appl. No. 60/335,679, filed Oct. 23, 2001, Lys.

U.S. Appl. No. 60/341,898, filed Dec. 19, 2001, Piepgras et al.

U.S. Appl. No. 60/341,476, filed Oct. 30, 2001, Piepgras et al.

U.S. Appl. No. 60/353,569, filed Feb. 1, 2002, Dowling et al.

NJD Case #3:09-cv-02495, Document 80: Markman Opinion Signed by Chief Judge Garrett E. Brown, Jr on Nov. 12, 2010. (ss,) (Published: Nov. 12, 2010).

NJD Case # 3:09-cv-02495, Document 81: Markman Order Signed by Chief Judge Garrett E. Brown, Jr on Nov. 12, 2010. (ss,) (Published: Nov. 12, 2010).

NJD Case # 3:09-cv-02495, Document 94: Motion for Partial Summary Judgment of Invalidity Due to Violation of the Best Mode Requirement by International Development LLC. Responses due by Jan. 3, 2011 (Attachments: # 1 Statement of Facts, # 2 Declaration of Duane Laurent, # 3 Declaration of Zachary Hilton, # 4 Text of Proposed Order, # 5 Brief, # 6 Ex. A, # 7 Ex. B, # 8 Ex. C, # 9 Ex. D, # 10 Ex. F, # 11 Ex. E, G, H, I place holder)(Shepherd, Robert) (Published: Dec. 23, 2010).

NJD Case # 3:09-cv-02495, Document 106: Reply Brief to Opposition to Motion re 89 Motion for Partial Summary Judgment of Invalidity filed by International Development LLC. (Attachments: # 1 Reply to Supplemental Statement of Disputed Facts, # 2 Declaration of Duane Laurent, # 3 Declaration of Zachary Hilton, # 4 Ex. B, # 5 Ex. A)(Shepherd, Robert) (Published: Jan. 10, 2011).

NJD Case # 3:09-cv-02495, Document 113: Reply Brief to Opposition to Motion re 94 Motion for Partial Summary Judgment of Invalidity Due to Violation of the Best Mode Requirement filed by International Development LLC. (Attachments: # 1 Supplemental Statement of Facts, # 2 Declaration of Zachary W. Hilton, # 3 Exhibit A, # 4 Exhibit B)(Shepherd, Robert) (Published: Jan. 31, 2011).

NJD Case # 3:09-cv-02495, Document 118: Order denying 89 Motion for Partial Summary Judgment. Signed by Chief Judge Garrett E. Brown, Jr on Feb. 7, 2011. (mmh) (Published: Feb. 7, 2011). NJD Case # 3:09-cv-02495, Document 119: Opinion filed. Signed by Chief Judge Garrett E. Brown, Jr on Feb. 7, 2011. (mmh) (Published: Feb. 7, 2011).

NJD Case # 3:09-cv-02495, Document 120: Order Dismissing Case as settled. Signed by Chief Judge Garrett E. Brown, Jr on Feb. 14, 2011. (mmh) (Published: Feb. 14, 2011).

NJD Case # 3:09-cv-02495, Document 121: Agreed Consent Judgment and Order of Dismissal. Signed by Chief Judge Garrett E. Brown, Jr on Apr. 14, 2011. (mmh) (Published: Apr. 15, 2011).

NJD Case # 3:09-cv-02495, Document 104: Brief in Opposition re 89 Motion for Partial Summary Judgment of Invalidity filed by Adventive Ideas, LLC, International Development LLC. (Attachments: #1 Exhibit A Excerpt—Transcript Markman Hearing Nov. 4, 2010, #2 Exhibit B Placeholder Deposition IDC John Browder Dec. 6, 2010, # 3 Exhibit C Placeholder-McWilliams Deposition Dec. 6, 2010, #4 Exhibit D Placeholder-Deposition John Browder Dec. 6, 2010, # 5 Exhibit E US Pat No. 7497588 to Browder, # 6 Exhibit F Placeholder An Appraisal of Economic Loss Dec. 21, 2010, # 7 Exhibit G Reviews-QVC_M19300-M16439-M19359, # 8 Shiells Declaration Jan. 3, 2011, # 9 Proposed Order on Motioin for Summary Judgment Dec. 30, 2010, # 10 Responsive Statement of Material Facts Jan. 3, 2011, # 11 Statement of Disputed Material Facts Jan. 3, 2011, #12 Declaration of Alfred Ducharme on Validity Signed with Exhibits, #13 Declaration Richmoind re validity and level of Skill signed)(Cox, Donald) (Published: Jan. 3, 2011).

Web Page entitled, "Solar Globelights" Publication from Jun. 5, 2004 snapshot printed from web at: web.archive.org/web/ 20040605181125/http://zablp.com/SolarGlobelights.html pp. 1-2. Web Page entitled, "Solar Globelights" Publication from Aug. 14,

Find authenticated court documents without watermarks at docketalarm.com.

Web Page entitled, "Solar Globelights" Publication from Dec. 10, 2004 snapshot printed from web at: web.archive.org/web/20041210230758/http://www.zablp.com/SolarGlobelights.html pp. 1-2.

Solar Globelight Instruction Manual STI Solar Date Apr. 6, 2004 pp. 1-6.

Product Flyer entitled, "Solar-Powered Garden Light with Automatic Light Sensor" (Showing Product Model Nos. ST213, PL201, PL217-S, PL217, PL217-R) Created in or about 2004, Publication date unknown. 1 page.

Commercial Invoice—Invoice No. 04KB186E; A non-US sale of a "Solar-Powered Garden Light with Automatic Light Sensor" (Product Model No. PL217) between Golden Asia Solar Industrial Limited of Xiamen, China and The Warehouse Imports, Ltd. of Auckland, New Zealand. Dated: Jan. 30, 2004 1 page.

Web Page entitled "Stealth Wholesale"; A "Solar-Powered Garden Light with Automatic Light Sensor", model No. PL217 offered for sale in the US on or after Jan. 28, 2009. Publication from Jan. 28, 2009 snapshot printed from web at: http://stealthwholesale.com/product_info.php?cPath=81&products_id=1475&osCsid= a62dceb77a962321f3f63fea863b9cf2 2 pages.

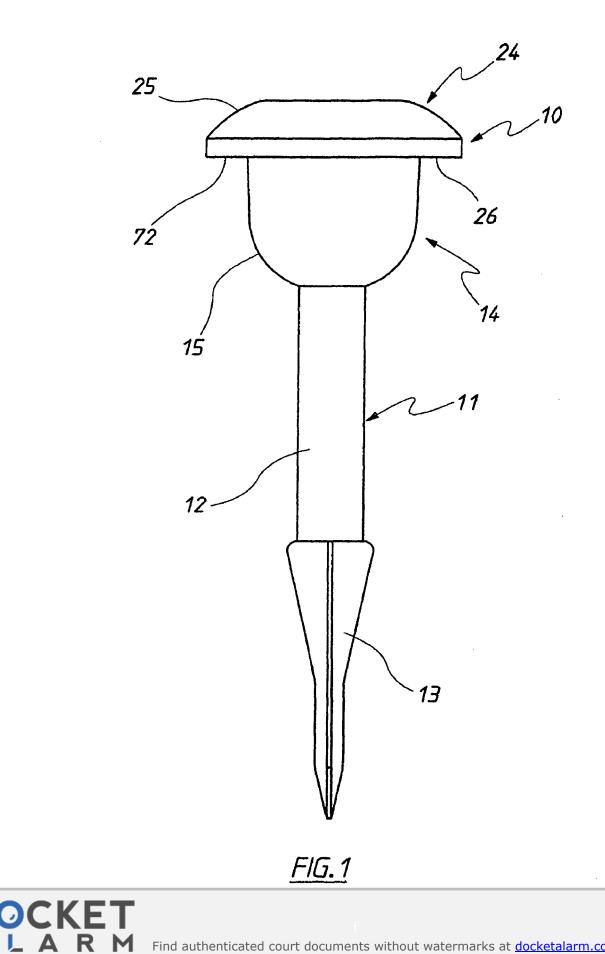
* cited by examiner

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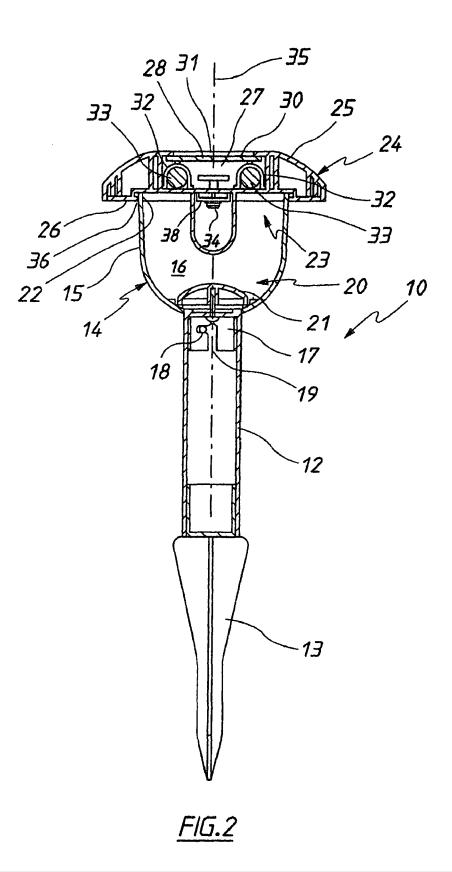
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