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(12) **United States Design Patent**  
**Jansen et al.**

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- (54) **BATTERY MODULE**
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- (73) Assignee: **GE Global Sourcing LLC**, Norwalk,  
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8,852,781	B2	10/2014	Merriman et al.	
D727,254	S *	4/2015	Kinoshita	D13/103
D757,645	S *	5/2016	Oliver	D13/103
D762,566	S *	8/2016	Tea	D13/103
D784,920	S *	4/2017	Walker	D13/103
D794,554	S *	8/2017	Chang	D13/103
D797,660	S *	9/2017	Oliver	D13/103
2006/0281002	A1*	12/2006	Aoki	H01M 2/0215 429/99
2008/0241675	A1*	10/2008	Enari	H01M 2/105 429/179
2010/0209743	A1*	8/2010	Koh	H01M 2/0404 429/7

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/595,064**

(22) Filed: **Feb. 24, 2017**

(51) **LOC (12) Cl.** ..... **13-02**

(52) **U.S. Cl.** ..... **D13/103**

(58) **Field of Classification Search**  
 USPC ..... D13/102-108, 110, 118-119, 184, 199  
 CPC ..... Y02E 60/12; Y02E 60/122; Y02E 60/124;  
 Y02E 60/50; H01M 2/02; H01M 2/022;  
 H01M 2/0202; H01M 2/0207; H01M  
 2/0212; H01M 2/1061; H01M 2/1022;  
 H01M 2/1055; H01M 2/1066; H01M  
 2/105; H01M 2/204; H01M 10/4257;  
 H01M 10/0436; H01M 10/48  
 See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D419,131	S *	1/2000	Andrews	D13/103
8,034,476	B2	10/2011	Ha et al.	
8,257,855	B2	9/2012	Ijaz et al.	
8,409,744	B2	4/2013	Ijaz et al.	
D682,778	S *	5/2013	Baumgartner	D13/103

(Continued)

**OTHER PUBLICATIONS**

Automotive Energy Supply Corporation, website [http://www.eco-aesc-lb.com/en/product/liion\\_hev/](http://www.eco-aesc-lb.com/en/product/liion_hev/) (date uncertain).

(Continued)

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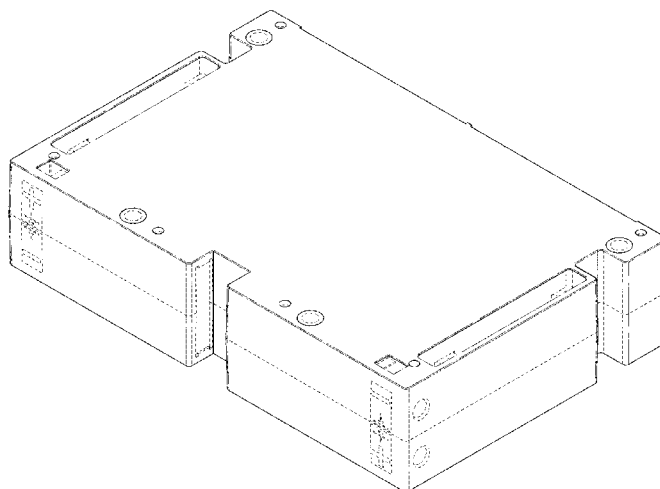
(57) **CLAIM**

The ornamental design for a battery module, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a battery module depicting our new design;  
 FIG. 2 is a top plan view thereof;  
 FIG. 3 is a bottom plan view thereof;  
 FIG. 4 is a front view thereof;  
 FIG. 5 is a rear view thereof;  
 FIG. 6 is a side view thereof; and,  
 FIG. 7 is an opposite side view thereof.  
 The broken lines present in the drawings illustrate portions of the article which form no part of the claimed design.

**1 Claim, 3 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2014/0120390	A1	5/2014	Merriman et al.	
2014/0174150	A1	6/2014	Yajima	
2015/0013150	A1	1/2015	Kitagawa et al.	
2015/0364727	A1*	12/2015	Kim .....	H01M 2/02 429/94
2017/0170438	A1	6/2017	Jansen et al.	

OTHER PUBLICATIONS

Anderson, D.L., "Lowering costs of lithium-ion batteries for EV power trains," In Sustainable Manufacturing, Fabrication and Manufactures Association, International, Retrieved from Internet URL: <https://www.fmanet.org/blog/2010/10/01/lowering-costs-lithium-ion-batteries-ev-power-trains>, on Aug. 29, 2018, pp. 1-17 (Oct. 1, 2010).  
 "Ather Energy," Retrieved from Internet URL: <https://fwww.atherenergy.com>, pp. 1-15 (Aug. 29, 2018).

Berman, B., "The Hybrid Car Battery: A Definitive Guide," Hybridcars, Retrieved from Internet URL: <https://www.hybridcars.com/hybrid-car-battery>, on Aug. 29, 2018, pp. 1-10 (Nov. 6, 2008).  
 Crowe, P., "Spark is Named IIHS Top Safety Pick," Retrieved from Internet URL: <http://gm-volt.com/2013/12/26/spark-is-named-iihs-top-safety-pick/>, on Aug. 29, 2018, pp. 1-20 (Dec. 26).  
 Ingram, A., "500 Mile Electric Cars? New Lithium-Air Tech Has Potential," Retrieved from Internet URL: [https://www.greencarreports.com/news/1071654\\_500-mile-electric-cars-new-lithium-air-tech-has-potential](https://www.greencarreports.com/news/1071654_500-mile-electric-cars-new-lithium-air-tech-has-potential), on pp. 1-5 (Jan. 12, 2012).  
 "Johnson Controls' ie:3 concept car makes its European debut / Vehicle demonstrates innovation in seating, electronics, interiors and batteries (mit Bild)," Presseportal, Retrieved from Internet URL: <https://www.presseportal.de/pm/19526/2111317>, on Aug. 29, 2018, pp. 1-7 (Sep. 13, 2011).  
 Tdillard., "Rare Look Inside a Tesla Model S Battery Pack," Insideevs, Retrieved from Internet URL: <https://insideevs.com/look-inside-a-tesla-model-s-battery-pac/>, on Aug. 29, 2018 pp. 1-9 (Sep. 23, 2014).

\* cited by examiner

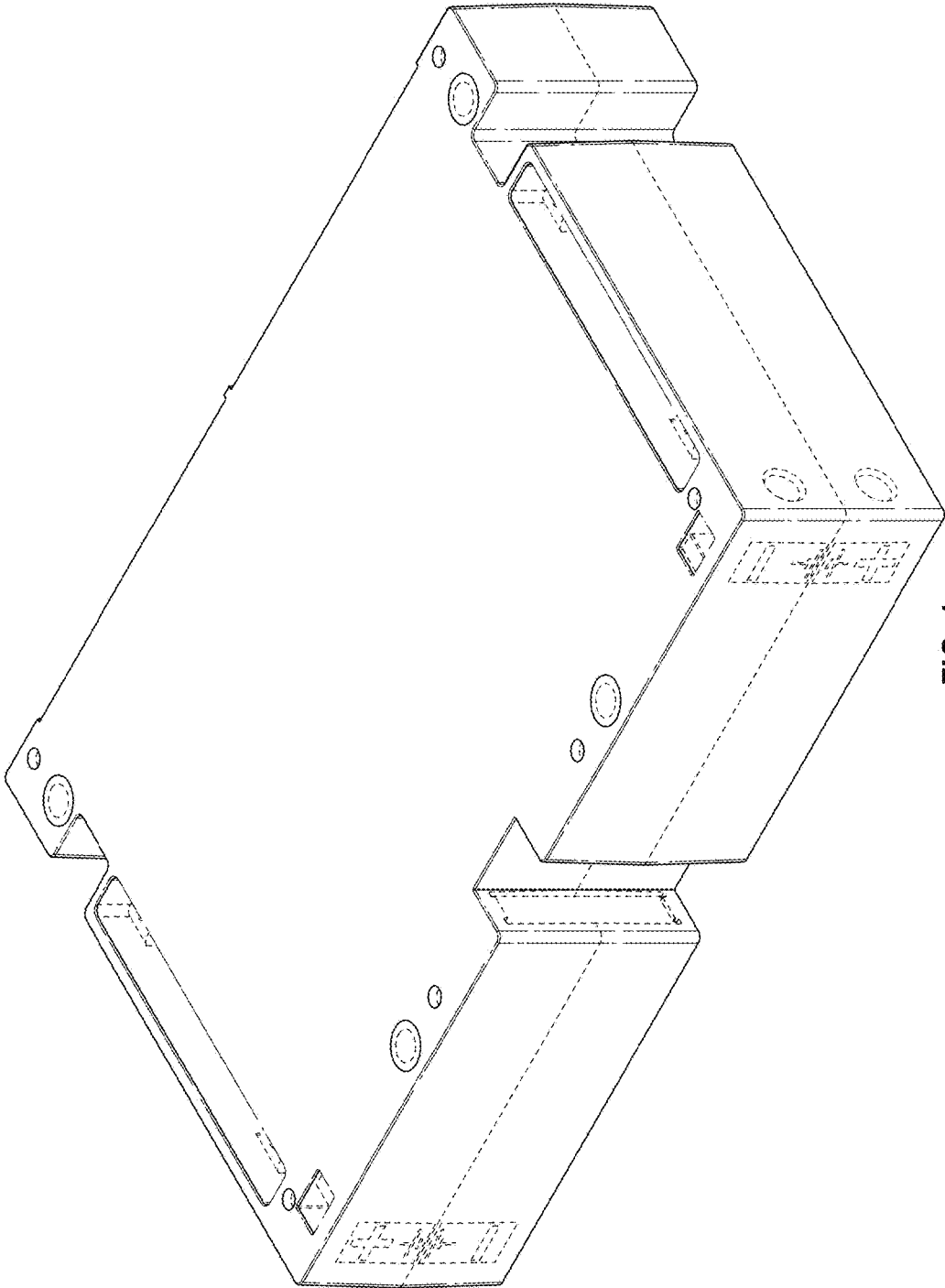


FIG. 1

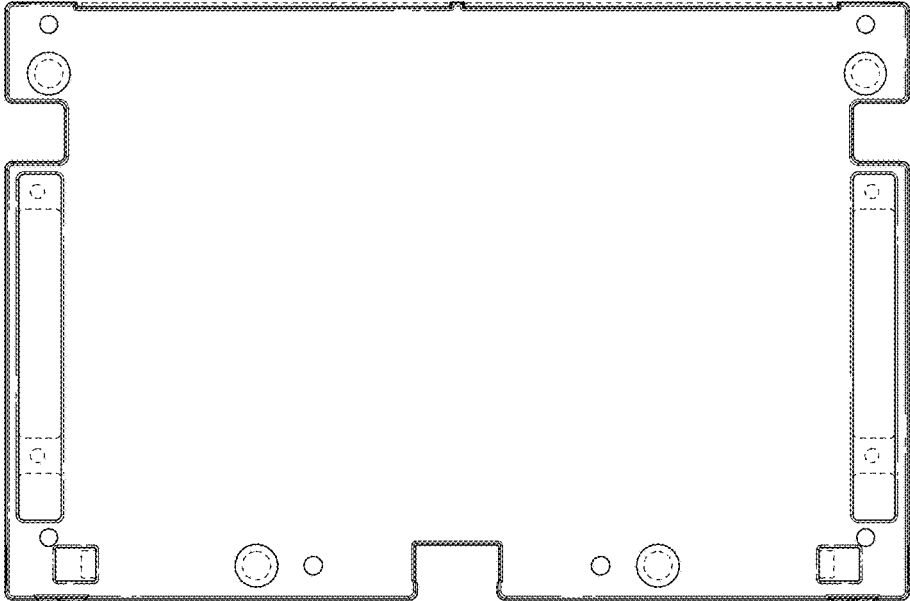


FIG. 2

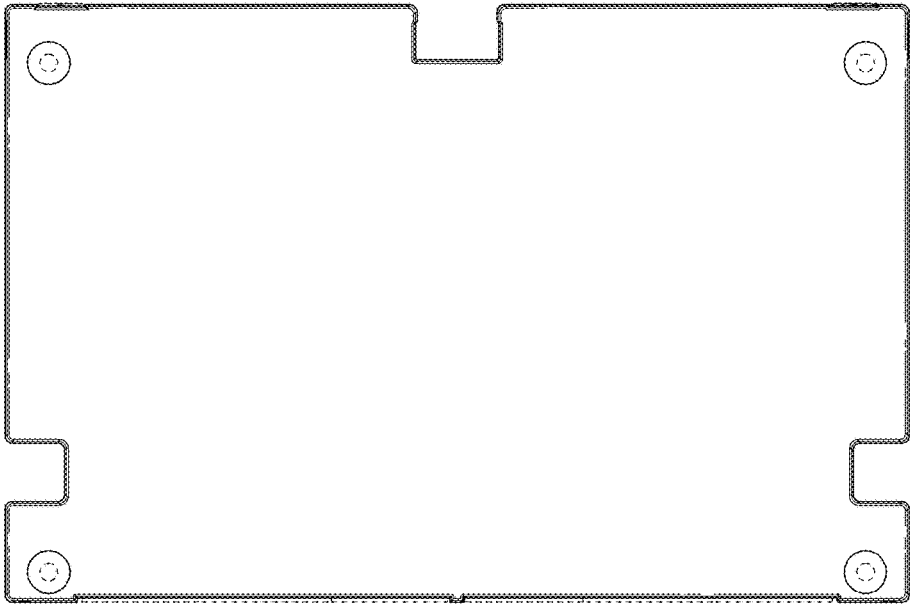


FIG. 3

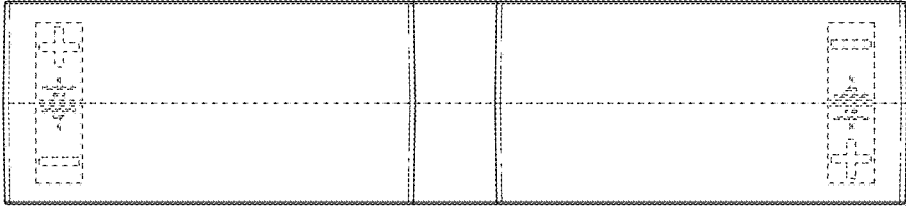


FIG. 4

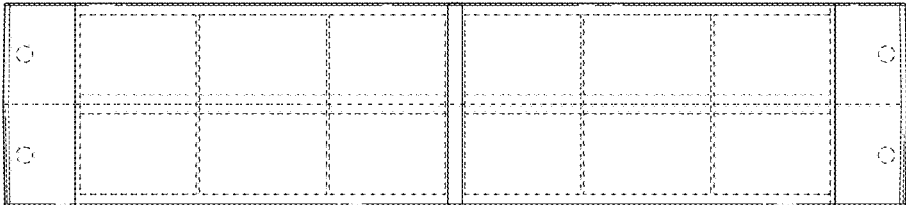


FIG. 5

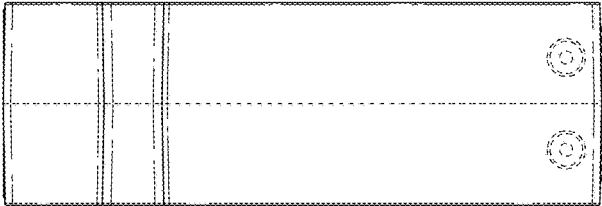


FIG. 6

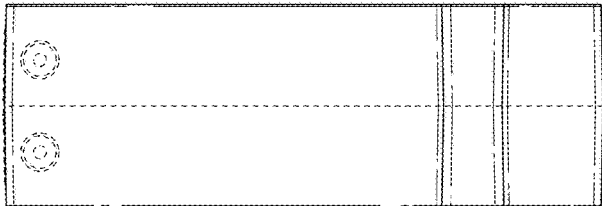


FIG. 7