

Title (en)  
ELECTRICAL MANAGEMENT DEVICE FOR VEHICLE POWER SUPPLY

Title (de)  
ELEKTRISCHE VERWALTUNGSVORRICHTUNG FÜR DIE FAHRZEUGSTROMVERSORGUNG

Title (fr)  
DISPOSITIF DE GESTION ELECTRIQUE POUR ALIMENTATION ELECTRIQUE DE VEHICULE

Publication  
**EP 1974435 A2 20081001 (FR)**

Application  
**EP 07718140 A 20070103**

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Abstract (en)  
[origin: WO2007083046A2] The present invention relates to an electrical management device for vehicle power supply. The electrical management device for vehicle power supply comprises a single converter (CO) so as to minimize the number of components required to simultaneously control two energy sources, such as a photovoltaic source (2; 11) and a thermoelectric source (3; 12), on board a motor vehicle which comprises at least one electrical energy storage battery (1).

IPC 8 full level  
**H02J 7/00** (2006.01); **H10N 10/00** (2023.01); **H10N 15/00** (2023.01)

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**H02J 7/34** (2013.01 - EP); **H02J 7/35** (2013.01 - EP US); **H02J 2207/20** (2020.01 - EP US); **H02J 2207/40** (2020.01 - EP US); **H02J 2300/26** (2020.01 - EP US); **H02J 2310/46** (2020.01 - EP US); **Y02E 10/56** (2013.01 - EP); **Y10S 136/291** (2013.01 - EP US); **Y10S 323/906** (2013.01 - EP US)

Citation (examination)  
• US 2001019492 A1 20010906 - BURTON SCOTT RICHARD [CA]  
• EP 1387462 A2 20040204 - HITS LAB CORP I [JP]  
• US 5235232 A 19930810 - CONLEY JERRY J [US], et al  
• D. P. HOHM ET AL: "Comparative study of maximum power point tracking algorithms", PROGRESS IN PHOTOVOLTAICS: RESEARCH AND APPLICATIONS, vol. 11, no. 1, 1 January 2003 (2003-01-01), pages 47 - 62, XP055126842, ISSN: 1062-7995, DOI: 10.1002/pip.459

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**FR 2896211 A1 20070720; FR 2896211 B1 20090703**; CN 101385216 A 20090311; CN 101385216 B 20140917; EP 1974435 A2 20081001; IL 192821 A0 20090803; IL 192821 A 20150430; JP 2009524388 A 20090625; JP 5159637 B2 20130306; US 2009218983 A1 20090903; US 8089242 B2 20120103; WO 2007083046 A2 20070726; WO 2007083046 A3 20080403

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