

Title (en)
CONCENTRATION SOLAR BATTERY PROTECTED AGAINST HEATING

Title (de)
VOR ERWÄRMUNG GESCHÜTZTE KONZENTRATIONSSOLARBATTERIE

Title (fr)
GENERATEUR PHOTOVOLTAIQUE A CONCENTRATION PROTEGE CONTRE LE CHAUFFEMENT

Publication
EP 1497870 A1 20050119 (FR)

Application
EP 03740544 A 20030401

Priority
• FR 0301002 W 20030401
• FR 0204528 A 20020411

Abstract (en)
[origin: WO03085745A1] The invention concerns concentration solar batteries which are protected against heating caused by the fraction of solar radiation which does not enable excitation of the photovoltaic cells (101) constituting said generator. It consists in covering the concentrator (106) which reflects the solar flux (107) towards the photovoltaic cells (101) with a filter (206) which enables the useless part of the radiation to be eliminated. It consists in using for that purpose either an absorbent material or an oblique or Fresnel stepped arrangement of the outer surface (107) of said transparent layer enabling said useless part to be reflected outside the photovoltaic cells (101).

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H01L 31/0547 (2014.12 - EP US); **Y02E 10/52** (2013.01 - EP US)

Citation (search report)
See references of WO 03085745A1

Citation (examination)
• DE 19747613 A1 19990512 - HNE ELEKTRONIK GMBH & CO SATEL [DE]
• JP H08296904 A 19961112 - IZUMI HISAO

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