

Title (en)
ELECTROMAGNETIC RADIATION COLLECTOR

Title (de)
KOLLEKTOR FÜR ELEKTROMAGNETISCHE STRAHLUNG

Title (fr)
COLLECTEUR DE RAYONNEMENT ELECTROMAGNETIQUE

Publication
EP 1828691 A4 20100512 (EN)

Application
EP 05850699 A 20051216

Priority
• IB 2005003838 W 20051216
• US 63665204 P 20041217

Abstract (en)
[origin: WO2006064365A2] An electromagnetic radiation collector is provided. The electromagnetic radiation collector has a concentration chamber for collecting and concentrating electromagnetic radiation and directing it to a target, the concentration chamber having at least one inlet opening, the inlet opening having a cross-sectional area. The collector also has a channeling area having an entry end for receiving the electromagnetic radiation, the entry end having a cross-sectional area, an exit end adjacent to the inlet opening of the concentration chamber, and at least one reflective wall between the entry end and the exit end. The cross-sectional area of the inlet opening is smaller than the cross-sectional area of the entry end of the channeling area.

IPC 8 full level
F24J 2/00 (2006.01); **F24S 23/00** (2018.01); **F24S 23/70** (2018.01); **H01Q 13/00** (2006.01)

CPC (source: EP US)
F24S 23/12 (2018.04 - EP US); **F24S 23/30** (2018.04 - EP US); **F24S 23/71** (2018.04 - EP US); **F24S 2023/88** (2018.04 - EP US); **Y02E 10/40** (2013.01 - EP US)

Citation (search report)
• [X] US 4529830 A 19850716 - DANIEL MAURICE [US]
• [X] US 5089055 A 19920218 - NAKAMURA TAKASHI [US]
• [X] DE 3431571 A1 19850502 - SUNDERGELD KLAUS DIPL ING FH
• [X] US 4813765 A 19890321 - NEGISHI MASATAKA [JP]
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Citation (examination)
• JP S57182047 A 19821109 - FUJIWARA TERUIE
• DE 19747241 A1 19980416 - CONRAD RAINER DR ING [DE]

Designated contracting state (EPC)
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DOCDB simple family (publication)
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