

Title (en)
CATOPTRIC CONCENTRATOR COLLECTOR OF RADIATION BEAMS OF SMALL DIVERGENCE, PARTICULARLY SOLAR RADIATION OR BEAMS OBTAINED BY MEANS OF LASERS.

Title (de)
KOLLEKTOR ZUM REFLEKTIEREN UND KONZENTRIEREN SCHWACH DIVERGIERENDER STRAHLENBÜNDELN, INSBESONDERE VON SONNEN- ODER LASERSTRAHLEN.

Title (fr)
CAPTEUR CONCENTRATEUR CATOPTRIQUE DE FAISCEAUX DE RAYONNEMENTS DE FAIBLE DIVERGENCE, NOTAMMENT DE RAYONNEMENT SOLAIRE OU DE FAISCEAUX OBTENUS AU MOYEN DE LASERS.

Publication
EP 0047751 A1 19820324 (FR)

Application
EP 81900513 A 19810304

Priority
FR 8004882 A 19800305

Abstract (en)
[origin: WO8102624A1] Concentrator for example for solar radiation. The concentrator is determined by an assembly of lineic reflecting elements (8), each of them acting in a single plane and independently of each other. The curvature of the element (8) is determined so that the beam (1) received at the end (2) is reflected directly towards the end (6) of section (4) of the pupil, that the beam (10) received at the end (9) is reflected towards the end (7) and that the points of the element (8) intermediate between (2) and (9) reflect the radiation towards the points of section (4) which are between (6) and (7).

Abstract (fr)
Un concentrateur par exemple pour le rayonnement solaire. Un concentrateur conforme a l'invention est determine par un ensemble d'elements reflechissants lineiques (8) agissant chacun, dans un seul plan et independamment les uns des autres. La courbure de l'element (8) est determinee de maniere telle que le rayon (1) recu en l'extremite (2) soit reflechi directement vers l'extremite (6) de la section (4) de la pupille, que le rayon (10) recu en l'extremite (9) soit reflechi vers l'extremite (7) et que les points de l'element (8) intermediaire entre (2) et (9) reflechissent le rayonnement vers les points de la section (4) intermediaires entre (6) et (7).

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F24S 20/30 (2018.04 - EP US); **F24S 23/80** (2018.04 - EP); **G02B 19/0019** (2013.01 - EP US); **G02B 19/0023** (2013.01 - EP); **G02B 19/0028** (2013.01 - EP); **G02B 19/0033** (2013.01 - EP); **G02B 19/0042** (2013.01 - EP); **Y02A 40/926** (2017.12 - EP); **Y02E 10/40** (2013.01 - EP)

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