

Title (en)

DEVICE AND METHOD FOR CONCENTRATING SOLAR ENERGY RADIATION AND CONVERTING THE SAME INTO HEAT

Title (de)

VORRICHTUNG UND VERFAHREN ZUM KONZENTRIEREN VON SONNENENERGIESTRAHLUNG SOWIE ZUM UMWANDELN IN WÄRME

Title (fr)

DISPOSITIF ET PROCÉDÉ PERMETTANT DE CONCENTRER UN RAYONNEMENT D'ÉNERGIE SOLAIRE ET DE LE CONVERTIR EN CHALEUR

Publication

**EP 2663814 A2 20131120 (DE)**

Application

**EP 11794635 A 20111116**

Priority

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- EP 2011005768 W 20111116

Abstract (en)

[origin: WO2012065725A2] Disclosed is a concentrator that can track the position of the sun, concentrates solar energy radiation in a focal point zone (4), and comprises reflectors (1) which are fixedly oriented relative to one another. In order to reflect the sunbeams using the reflectors, a plurality of reflecting outer surfaces (1a) is arranged in such a way that the outer surfaces are at least partially located inside each other and concentric to each other at least approximately in the shape of truncated cones or segments of truncated cones having different inclinations, resulting in the sunbeams being focused on a significantly smaller surface, namely the focal point zone (4), after being reflected.

IPC 8 full level

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Citation (search report)

See references of WO 2012065725A2

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