

Title (en)
PHOTOVOLTAIC COMPONENT

Title (de)
PHOTOVOLTAIKBAUTEIL

Title (fr)
COMPOSANT PHOTOVOLTAÏQUE

Publication
EP 4182973 A1 20230524 (DE)

Application
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Abstract (en)
[origin: WO2021151522A1] The invention relates to a photovoltaic component (10) comprising an outer sheet (11) and a back panel (12). An energy-generating layer (15) comprising a plurality of concentrator photovoltaic modules (20) is located between the outer sheet (11) and the back panel (12). The concentrator photovoltaic modules (20) have a concentrating reflector (50) as the primary optics and a photovoltaic chip (22) that is integrated into a surface-mountable housing (30), the surface-mountable housing (30) having a transparent cover (36) and an integrated reflector (23) as the secondary optics. The concentrating reflector (50) is located between the photovoltaic chip (22) and the back panel (12), and the transparent cover (36) and an entry opening (23a) of the integrated reflector (23) face the back panel (12).

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