

Title (en)
FLUORESCENCE COLLECTOR AND USE THEREOF

Title (de)
FLUORESSENZ-KOLLEKTOR UND DESSEN VERWENDUNG

Title (fr)
COLLECTEUR FLUORESCENT ET SON UTILISATION

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EP 2347452 A2 20110727 (DE)

Application
EP 09748992 A 20091016

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Abstract (en)
[origin: WO2010043414A2] The invention relates to a fluorescence collector for focusing and converting solar radiation into electricity, said collector being constructed from a substrate and at least one polymer layer or sol-gel layer as carrier structures for at least one type of semiconducting nanoparticles and at least one fluorescent dye. The solar radiation is coupled into the collector and reflected internally, emerging at a defined location, where a photovoltaic cell is disposed. Solar power is thereby converted into electricity.

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H01L 31/055 (2006.01)

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See references of WO 2010043414A2

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