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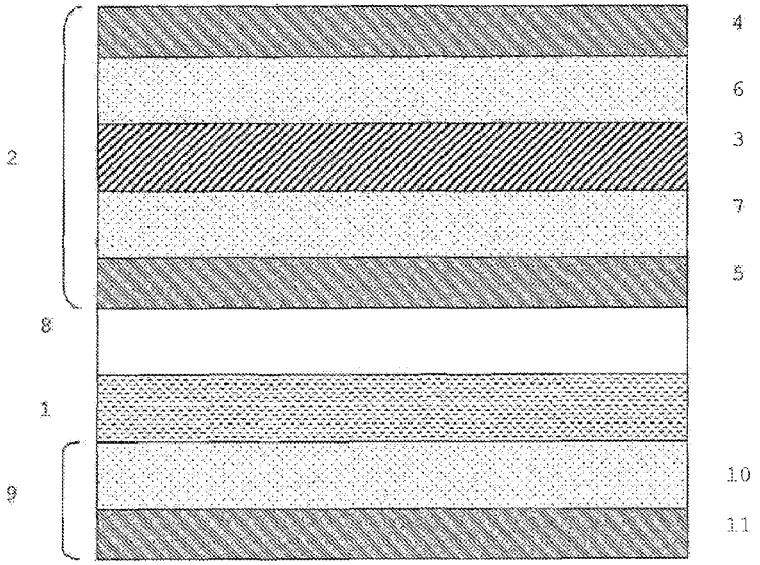
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(54) **Title**: SOLAR CELL SYSTEM WITH ENCAPSULANT

Figure 1:



(57) **Abstract**: The present invention is directed to a solar cell system comprising a solar cell on the light-receiving side of which a transparent encapsulant foil is present which comprises a reinforcing layer and two barrier layers, wherein the first, barrier layer is positioned above the reinforcing layer and the second barrier is positioned below the reinforcing layer, determined from the light-receiving side of the solar cell system, wherein the reinforcing layer comprises a fibre-reinforced layer which comprises fibres with an average length of at least 2 cm. The encapsulant foil itself, a process for manufacture thereof, and a process for manufacturing the solar cell system are also claimed.

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