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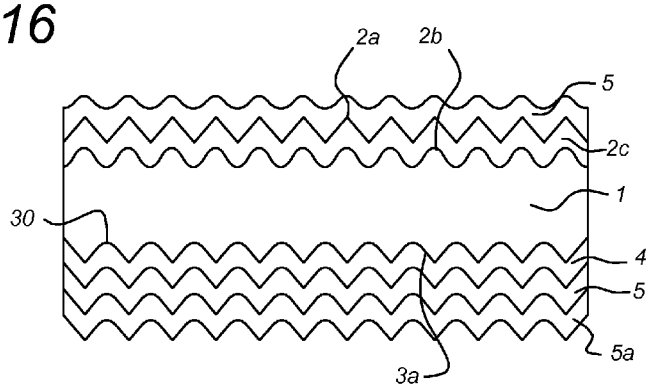
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(54) **Title**: SOLAR CELL AND METHOD FOR MANUFACTURING SUCH A SOLAR CELL

Fig 16



(57) **Abstract**: A method for manufacturing a solar cell from a semiconductor substrate (1) of a first conductivity type, the semiconductor substrate having a front surface (2) and a back surface (3). The method includes in a sequence: texturing (102) the front surface to create a textured front surface (2a); creating (103) by diffusion of a dopant of the first conductivity type a first conductivity-type doped layer (2c) in the textured front surface and a back surface field layer (4) of the first conductivity type in the back surface; removing (105; 104a) the first conductivity-type doped layer from the textured front surface by an etching process adapted for retaining texture of the textured front surface; creating (106) a layer of a second conductivity type (6) on the textured front surface by diffusion of a dopant of the second conductivity type into the textured front surface.

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