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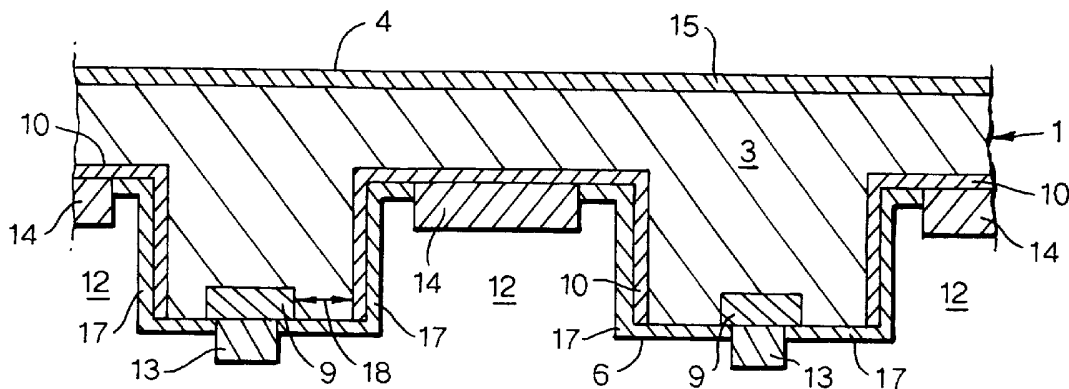
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(54) Title: MANUFACTURING A SOLAR CELL WITH BACKSIDE CONTACTS



(57) Abstract: Solar cell (1) comprising a silicon wafer (3) having a basic doping, a light-receiving front side (4) and a backside (6), which is provided with an interdigital semiconductor pattern, which interdigital semiconductor pattern comprises a first pattern of at least one first diffusion zone (9) having a first doping and a second pattern of at least one second diffusion zone (10), separated from the first diffusion zone(s) (9) and having a second doping that differs from the first doping, wherein each second diffusion zone (10) is arranged along the sides of at least one groove (12) extending from the backside (6) into the silicon wafer (3).

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L31/0248 H01L31/0352 H01L31/18 H01L31/0224

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 5 665 607 A (KAWAMA YOSHITATSU ET AL) 9 September 1997 (1997-09-09)	1-4, 6
Y	column 21, line 22 -column 28, line 52; figures 9A-9G, 11-17, 19, 35	7, 8
A	---	5, 9, 10
Y	EP 0 881 694 A (IMEC INTER UNI MICRO ELECTR) 2 December 1998 (1998-12-02) column 6, line 34 -column 7, line 41	7, 8
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

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