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(54) **Electrical circuit for protecting photovoltaic systems**

(57) The object of the present invention is to provide a structure for the electrical protection of photovoltaic facilities in the event a photovoltaic generator (G_1 - G_p) is connected with its polarity reversed, for what it includes a protection cell that comprises two connection points (1, 2) at which the photovoltaic generator is connected (G_1 - G_p), at least one device (D) in charge of reducing the

voltage of the photovoltaic generator (G_1 - G_p) in the event of polarity reversion, which is connected in parallel between the aforementioned two connection points, at least one element (M) of breakage and/or protection of the photovoltaic generator (G_1 - G_p) serially connected to the preceding elements, minimizing the loading on the aforementioned break and/or protection elements.

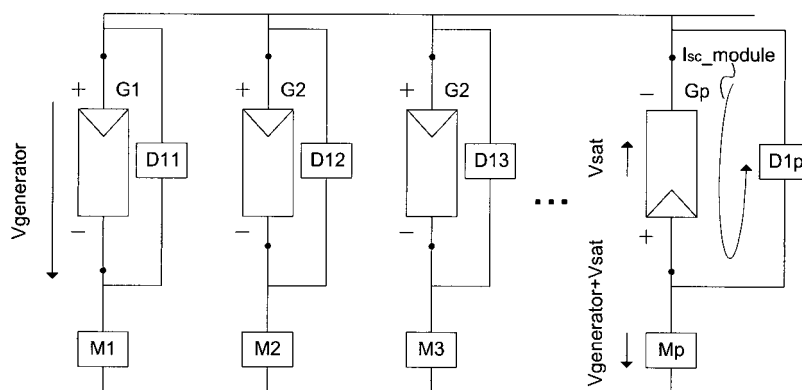


Fig. 6