

Title (en)

DEVICE WITH A P-N JUNCTION AND A MEANS OF REDUCING THE RISK OF BREAKDOWN OF THE JUNCTION

Title (de)

ANORDNUNG MIT EINEM PN-ÜBERGANG UND EINER MASSNAHME ZUR HERABSETZUNG DER GEFAHR EINES DURCHBRUCHS DES PN-ÜBERGANGS

Title (fr)

SYSTEME A JONCTION PN PRESENTANT UN MOYEN VISANT A REDUIRE LE RISQUE DE RUPTURE DE LA JONCTION PN

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Application

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Abstract (en)

[origin: DE19535322A1] The invention relates to a device with a P-N junction and a means for reducing the risk of breakdown of the junction. The device proposed consists of a combination of a magnetoresistor (4) and a stop electrode (5) which have multi-step edges (40 and 50, respectively) with JTE technology, thus enabling blocking voltages significantly higher than 2500 volts to be achieved while requiring little space.

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