

Title (en)

CIRCUIT TO BE USED IN A WIND POWER PLANT

Title (de)

SCHALTUNGSANORDNUNG ZUM EINSATZ BEI EINER WINDENERGIEANLAGE

Title (fr)

CIRCUIT CON U POUR ETRE UTILISE DANS UNE INSTALLATION D'ENERGIE EOLIENNE

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Application

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Abstract (en)

[origin: WO03065567A1] The invention relates to a circuit with a variable rotational speed to be used particularly in a wind power plant, comprising a double fed asynchronous generator (DASM), a crow-bar, an additional resistor (R15) and a converter. In order to meet the requirements of the network provider, whereby a particularly permanent coupling to the network should be ensured so that the wind power plant can start up and stabilize the network during and after medium voltage short circuit in the network, the additional resistor can be regulated with the aid of a fast switch in such a way that the converter can be provisionally disconnected at least partly in case of a short circuit in the network. The rotor current is momentarily assumed by the additional resistor and disconnected after the rotor short circuit current dies out so that the converter can be subsequently connected once again and so that it can supply the desired active short circuit current to the network.

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