Title (en)

PROCESS AND DEVICE FOR SAFE FIRE EXTINGUISHING OF PHOTOVOLTAIC POWER PLANTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SICHEREN FEUERLÖSCHUNG IN FOTOVOLTAIK-KRAFTWERKEN

Title (fr)

PROCESSUS ET DISPOSITIF D'EXTINCTION EN TOUTE SÉCURITÉ D'INCENDIES DE CENTRALES ÉLECTRIQUES PHOTOVOLTAÏQUES

Publication

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Application

EP 13762913 A 20130624

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- SI 2013000041 W 20130624

Abstract (en)

[origin: WO2014003691A2] The object of the invention belongs to the field of processes for fire extinguishing of photovoltaic power plants, specifically, it belongs to the field of electronic devices for limiting voltage contact between the fire extinguishing system and a burning photovoltaic power plant. The substance of the process and the device for safe fire extinguishing of photovoltaic power plants according to the present invention lies in that dangerous voltage contact is reduced by levelling out the potential of the entire fire extinguishing system, which includes fire extinguishing devices, tools, motor pumps, machines, ladders, water cannons, fire tank trucks, hydrants, and firemen involved in fire extinguishing. By grounding the entire fire extinguishing system, including the fireman wearing a single-layer or a multiple-layer Faraday cage, or therein a single fireman or several firemen are located, a reliable levelling out of potential on a fireman or group of firemen can be achieved.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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