

Title (en)  
SYSTEMS AND METHODS FOR PROVIDING REAL-TIME PREDICTIONS OF ARC FLASH INCIDENT ENERGY, ARC FLASH PROTECTION BOUNDARY, AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT( PPE) LEVELS TO COMPLY WITH WORKPLACE SAFETY STANDARDS

Title (de)  
SYSTEME UND VERFAHREN ZUR ERMÖGLICHUNG VON ECHTZEITPROGNOSEN ÜBER EINE LICHTBOGEN-EXPLOSIONSENERGIE, LICHTBOGEN-SCHUTZABSCHIRMUNG UND ERFORDERLICHE PERSÖNLICHE SICHERHEITSAUSRÜSTUNG ZUR ERFÜLLUNG DER ARBEITSPLATZSICHERHEITSSSTANDARDS

Title (fr)  
SYSTÈMES ET PROCÉDÉS POUR FOURNIR DES PRÉVISIONS EN TEMPS RÉEL D'UNE ÉNERGIE INCIDENTE DE FLASH D'ARC, LIMITE DE PROTECTION DE FLASH D'ARC ET NIVEAUX D'ÉQUIPEMENT DE PROTECTION CORPORELLE (PPE) POUR RESPECTER LES NORMES DE SÉCURITÉ SUR LE LIEU DE TRAVAIL

Publication  
**EP 2033129 A4 20110316 (EN)**

Application  
**EP 07799194 A 20070629**

Priority  

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- US 80621906 P 20060629
- US 80622306 P 20060629
- US 71737807 A 20070312

Abstract (en)  
[origin: WO2008003088A2] A system for making real-time predictions about an arc flash event on an electrical system is disclosed. The system includes a data acquisition component, an analytics server and a client terminal. The data acquisition component is communicatively connected to a sensor configured to acquire real-time data output from the electrical system. The analytics server is communicatively connected to the data acquisition component and is comprised of a virtual system modeling engine, an analytics engine and an arc flash simulation engine. The arc flash simulation engine is configured to utilize the virtual system model to forecast an aspect of the arc flash event.

IPC 8 full level  
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CPC (source: EP)  
**G05B 17/02** (2013.01); **G05B 23/0254** (2013.01)

Citation (search report)  

- [Y] US 5578931 A 19961126 - RUSSELL B DON [US], et al
- [Y] US 2005057265 A1 20050317 - HARLEY RONALD GORDON [US], et al
- [A] US 6332961 B1 20011225 - JOHNSON WAYNE L [US], et al
- See references of WO 2008003088A2

Cited by  
CN108319160A

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DOCDB simple family (publication)  
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