

Title (en)
METHOD AND SYSTEM FOR CIRCUIT BREAKER CONDITION MONITORING

Title (de)
VERFAHREN UND SYSTEM ZUR ZUSTANDSÜBERWACHUNG EINES LEISTUNGSSCHALTERS

Title (fr)
PROCÉDÉ ET SYSTÈME DE SURVEILLANCE D'ÉTAT DE DISJONCTEUR

Publication
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Application
EP 18936444 A 20181009

Priority
CN 2018109525 W 20181009

Abstract (en)
[origin: WO2020073201A1] A method and system for circuit breaker condition monitoring are disclosed. The method comprises: obtaining an image of a circuit breaker(202); extracting from the image one or more features related to a state of the circuit breaker(204); comparing the extracted one or more features with benchmark data characterizing a predetermined state of the circuit breaker(206); determining a health condition of the circuit breaker based on the comparison(208).

IPC 8 full level
G06T 7/00 (2017.01); **G01J 5/00** (2022.01); **G01R 31/327** (2006.01)

CPC (source: EP US)
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Citation (search report)

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- [XYI] HUDA A.S. NAZMUL ET AL: "Application of infrared thermography for predictive/preventive maintenance of thermal defect in electrical equipment", APPLIED THERMAL ENGINEERING, vol. 61, no. 2, 2 August 2013 (2013-08-02), GB, pages 220 - 227, XP055910983, ISSN: 1359-4311, DOI: 10.1016/j.applthermaleng.2013.07.028
- [Y] FEIZIFAR BEHNAM ET AL: "Condition monitoring of circuit breakers: Current status and future trends", 2017 IEEE INTERNATIONAL CONFERENCE ON ENVIRONMENT AND ELECTRICAL ENGINEERING AND 2017 IEEE INDUSTRIAL AND COMMERCIAL POWER SYSTEMS EUROPE (EEEIC / I&CPS EUROPE), IEEE, 6 June 2017 (2017-06-06), pages 1 - 5, XP033117980, DOI: 10.1109/EEEIC.2017.7977751
- See references of WO 2020073201A1

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