

Title (en)
SYSTEMS AND METHODS FOR PERFORMING AUTOMATIC REAL-TIME HARMONICS ANALYSES FOR USE IN REAL-TIME POWER ANALYTICS OF AN ELECTRICAL POWER DISTRIBUTION SYSTEM

Title (de)
SYSTEME UND VERFAHREN ZUM DURCHFÜHREN VON AUTOMATISCHEN ECHTZEITHARMONIEANALYSEN ZUR VERWENDUNG IN ECHTZEITSTROMANALYTIKEN EINES ELEKTRISCHEN STROMVERSORGUNGSYSTEMS

Title (fr)
SYSTEMES ET PROCEDES POUR REALISER UNE ANALYSE DES HARMONIQUES AUTOMATIQUE EN TEMPS REEL A UTILISER DANS UNE ANALYSE D'ENERGIE EN TEMPS REEL D'UN SYSTEME DE DISTRIBUTION D'ENERGIE ELECTRIQUE

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EP 2005202 A4 20110316 (EN)

Application
EP 07760596 A 20070412

Priority
• US 2007066567 W 20070412
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Abstract (en)
[origin: WO2007121322A2] A system for conducting performing real-time harmonics analysis of an electrical power distribution and transmission system is disclosed. The system includes a data acquisition component, a power analytics server and a client terminal. The data acquisition component is communicatively connected to a sensor configured to acquire realtime data output from the electrical system. The power analytics server is communicatively connected to the data acquisition component and is comprised of a virtual system modeling engine, an analytics engine and a machine learning engine. The machine learning engine is configured to store and process patterns observed from the real-time data output and the predicted data output, forecasting harmonic distortions in the electrical system subjected to a simulated contingency event.

IPC 8 full level
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Citation (search report)
• [IY] US 2005057265 A1 20050317 - HARLEY RONALD GORDON [US], et al
• [Y] US 5578931 A 19961126 - RUSSELL B DON [US], et al
• See references of WO 2007121322A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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