

Title (en)  
METHOD FOR INSTANTANEOUSLY DETERMINING RATES OF DISTORTION OF SIGNALS ON AN AC ELECTRICAL NETWORK, AND ASSOCIATED DEVICE

Title (de)  
VERFAHREN ZUR UNMITTELBAREN BESTIMMUNG VON SIGNALVERZERRUNGSRATEN IN EINEN WECHSELSTROMNETZ UND ENTSPRECHENDE VORRICHTUNG

Title (fr)  
PROCEDE DE DETERMINATION INSTANTANEE DE TAUX DE DISTORSION DE SIGNAUX SUR UN RESEAU ELECTRIQUE ALTERNATIF, ET DISPOSITIF ASSOCIE

Publication  
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Application  
**EP 07788993 A 20070612**

Priority  

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Abstract (en)  
[origin: WO2008000990A2] Method for instantaneously determining rates of distortion of signals on an ac electrical network, and associated device. The present invention addresses the need for real-time calculation of an instantaneous value of discrete harmonic rate, adapted in particular for an electrical network producing a variable-frequency signal. In a general manner, the invention proposes a method for instantaneously determining rates of distortion on variable-frequency signals, and an associated device, in which a rate of harmonic distortion is calculated over a time window that is as short as possible, corresponding to the duration of a period of the fundamental of a relevant signal. Advantageously, one seeks to precisely determine the value of the frequency of the signal whose DHT is to be calculated, and an iteration is carried out for certain measurements made during a given calculation for the calculation of the DHT on subsequent signals.

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**G01R 23/20** (2006.01)

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**G01R 23/20** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008000990A2

Citation (examination)  

- DE 4134472 A1 19930422 - ROHDE & SCHWARZ [DE]
- US 4918381 A 19900417 - BENDER MARTIN A [US], et al

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DOCDB simple family (application)  
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