

Title (en)  
DISTRIBUTED METER NETWORKS AND SYSTEMS FOR MONITORING SAME

Title (de)  
VERTEILTE ZÄHLERNETZWERKE UND SYSTEME ZU IHRER ÜBERWACHUNG

Title (fr)  
RESEAUX DE MESURE DISTRIBUES ET SYSTEMES DE CONTROLE ASSOCIES

Publication  
**EP 2008196 A2 20081231 (EN)**

Application  
**EP 07753308 A 20070316**

Priority

- US 2007006669 W 20070316
- US 37791506 A 20060316
- US 37789906 A 20060316

Abstract (en)  
[origin: WO2007109149A2] A system for monitoring one or more nodes of a distributed meter network. The system includes at least one meter device at each node for metering a product and for generating a signal representative of a corresponding metering rate. A computation device in communication with the at least one meter device is provided at each node for computing meter data based upon the generated signal. The system further includes an autonomous intelligent network interface module (AINIM) at each node and in communication with the computation device. The AINIM includes a first microcontroller for autonomously and continuously monitoring the computation device and collecting meter data therefrom. The AINIM further includes a second microcontroller for receiving the meter data from the first microcontroller and autonomously distributing at least a portion of the received meter data via a communication network for receipt by a remote computer.

IPC 8 full level  
**G06Q 20/00** (2006.01)

CPC (source: EP)  
**G01D 4/004** (2013.01); **G01F 15/0755** (2013.01); **H04L 12/2825** (2013.01); **Y02B 90/20** (2013.01); **Y04S 20/30** (2013.01)

Citation (search report)  
See references of WO 2007109149A2

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Designated extension state (EPC)  
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**US 2007006669 W 20070316**; CA 2645423 A 20070316; EP 07753308 A 20070316