

Title (en)
METHOD AND ARRANGEMENT FOR ASCERTAINING ACTIVE POWER FLOWS IN AN ELECTRIC TRACTION POWER SUPPLY NETWORK

Title (de)
VERFAHREN UND ANORDNUNG FÜR DIE ERMITTLUNG VON WIRKLEISTUNGSFLÜSSEN IN EINEM ELEKTRISCHEN BAHNSTROM-
VERSORGUNGSNETZ

Title (fr)
PROCÉDÉ ET SYSTÈME POUR DÉTERMINER DES FLUX DE PUISSANCE EFFECTIVE DANS UN RÉSEAU D'ALIMENTATION EN COURANT
DE TRACTION ÉLECTRIQUE

Publication
EP 2817169 A1 20141231 (DE)

Application
EP 12722113 A 20120511

Priority
EP 2012058785 W 20120511

Abstract (en)
[origin: WO2013167198A1] The invention relates to a method for ascertaining active power flows in an electric traction power supply network comprising rail vehicles. A single measurement time transmitter signals measurement times to all rail vehicles using a single specified clock pulse. Phasor measurement information on the network voltage and/or the network current is obtained in relation to the measurement times, and position data for each current position of the rail vehicles is simultaneously generated. The phasor measurement information and the corresponding position data are transmitted to a control center, and/or the rail vehicles exchange the phasor measurement information and the corresponding position data among one another. The invention further relates to an arrangement for ascertaining active power flows in an electric traction power supply network.

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Citation (search report)
See references of WO 2013167198A1

Citation (examination)
DE 102008046737 A1 20100325 - SIEMENS AG [DE]

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