Title (en)
METHOD FOR OPERATING AN ELECTROMECHANICAL CONVERTER SYSTEM AND ELECTROMECHANICAL CONVERTER SYSTEM

Title (de)
VERFAHREN ZUM BETREIBEN EINES ELEKTROMECHANISCHEN WANDLERSYSTEMS, SOWIE ELEKTROMECHANISCHES WANDLERSYSTEM

Title (fr)
PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN SYSTÈME CONVERTISSEUR ÉLECTROMÉCANIQUE ET SYSTÈME CONVERTISSEUR ÉLECTROMÉCANIQUE

Publication
EP 2491414 A2 20120829 (DE)

Application
EP 10768023 A 20101020

Priority
- AT 6682009 U 20091022
- EP 2010065817 W 20101020

Abstract (en)
[origin: WO2011048155A2] In order to operate an electromechanical converter system comprising at least one piezoelectric converter element, if necessary at least an identification element, and control electronics, the useful signals of a certain useful operating range defined by the frequency band and time window, which signals are associated with at least one piezoelectric converter, as well as polling and response signals for identifying and/or checking the function of the converter system are transmitted by means of a line system comprising only one electric signal line. In order to enable a simple and reliable diagnosis possibility of the input circuit for cable breaks, that suitably increases the operational reliability, shortens the troubleshooting times, and simplifies the operation, at least one polling signal located outside of the useful operating range of the converter element is transmitted to the converter system, and at least one characteristic value is formed from the resulting response signal and polled for at least one previously determined criterion, wherein an error message is generated when the criterion is not met.

IPC 8 full level
G01R 31/28 (2006.01)

CPC (source: EP KR US)
G01L 1/162 (2013.01 - EP US); **G01L 9/0022** (2013.01 - EP US); **G01L 9/08** (2013.01 - EP US); **G01L 27/007** (2013.01 - EP US); **G01R 31/28** (2013.01 - KR); G01R 31/2829 (2013.01 - EP US)

Citation (search report)
See references of WO 2011048155A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
AT 11169 U2 20100515; **AT 11169 U3 20101215**; CN 102667512 A 20120912; EP 2491414 A2 20120829; JP 2013508706 A 20130307; KR 20120083458 A 20120725; US 2012257473 A1 20121011; WO 2011048155 A2 20110428; WO 2011048155 A3 20110630

DOCDB simple family (application)
AT 6682009 U 20091022; CN 201080053652 A 20101020; EP 10768023 A 20101020; EP 2010065817 W 20101020; JP 2012534693 A 20101020; KR 20127012494 A 20101020; US 201013503044 A 20101020