

Title (en)
METHOD AND CIRCUIT ARRANGEMENT FOR CURRENT MEASUREMENT

Title (de)
VERFAHREN UND SCHALTUNGSANORDNUNG ZUR STROMMESSUNG

Title (fr)
PROCEDE ET MONTAGE POUR MESURER UN COURANT

Publication
EP 1529220 A2 20050511 (DE)

Application
EP 03790695 A 20030807

Priority
• DE 0302660 W 20030807
• DE 10237920 A 20020814

Abstract (en)
[origin: DE10237920B3] The method has the current measured at a potential which is relatively high compared to the earth potential as an analogue signal, which is converted into a digital signal fed to an evaluation device at earth potential. The analogue signal is subjected to compression prior to its A/D conversion and transmission, with subsequent expansion of the digital signal after transmission to the earth potential side. An Independent claim for a current measuring circuit is also included.

IPC 1-7
G01R 15/14; **G01R 19/00**; **G01R 19/252**

IPC 8 full level
G01R 15/14 (2006.01); **G01R 19/252** (2006.01); **G01R 19/32** (2006.01)

CPC (source: EP US)
G01R 15/146 (2013.01 - EP US); **G01R 19/252** (2013.01 - EP US); **G01R 19/32** (2013.01 - EP US)

Citation (search report)
See references of WO 2004021021A2

Designated contracting state (EPC)
DE FR GB IE SE

DOCDB simple family (publication)
DE 10237920 B3 20040219; EP 1529220 A2 20050511; US 2006164069 A1 20060727; US 7242177 B2 20070710; WO 2004021021 A2 20040311; WO 2004021021 A3 20040422

DOCDB simple family (application)
DE 10237920 A 20020814; DE 0302660 W 20030807; EP 03790695 A 20030807; US 52456105 A 20050214