

Title (en)
CURRENT MEASURING METHOD AND DEVICE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR STROMMESSUNG

Title (fr)
PROCEDE ET DISPOSITIF DE MESURE DU COURANT

Publication
EP 1153306 A1 20011114 (EN)

Application
EP 99965273 A 19991215

Priority
• EP 99400016 A 19990105
• US 9929779 W 19991215
• US 11670699 P 19990122

Abstract (en)
[origin: WO0040979A1] A method of determining the magnitude of an exceptionally large current in a conductor (4) which comprises measuring the angle of rotation of polarized light (6, 7, 8) from a light source (1, 2) in a magnetic field created by the current with a glass fiber (3) sensor composed of a fluoride glass having a low Verdet constant and a photoelastic coefficient not over about 0.25 (nm/cm)/(kg/cm²).

IPC 1-7
G01R 31/00

IPC 8 full level
C03C 3/32 (2006.01); **C03C 13/04** (2006.01); **G01R 15/24** (2006.01); **G02B 6/00** (2006.01)

CPC (source: EP)
C03C 13/042 (2013.01); **G01R 15/246** (2013.01)

Citation (search report)
See references of WO 0040979A1

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DOCDB simple family (application)
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