

Title (en)
METHOD AND TESTING EQUIPMENT FOR CHECKING THE OPERATION OF A LIGHTNING ARRESTER

Title (de)
VERFAHREN UND PRÜFVORRICHTUNG ZUR FUNKTIONSPRÜFUNG VON ÜBERSPANNUNGSABLEITERN

Title (fr)
PROCEDE ET ENSEMBLE D'EQUIPEMENT DE TEST POUR EVALUER DES PARAMETRES ELECTRIQUES DE SYSTEMES DE PROTECTION CONTRE LA FOUDRE

Publication
EP 1625410 A2 20060215 (EN)

Application
EP 04733504 A 20040517

Priority
• PL 2004000036 W 20040517
• PL 36021703 A 20030519

Abstract (en)
[origin: WO2004102594A2] Method for performing the evaluation of electrical parameters of lightning protection system, in particular the lightning-arrester head (4), wherein at least one inspection wire (6), connected electrically to tester unit (1), is additionally mounted to lightning arrester head (4) equipped with earthing conductor (5), then the testing arrangement of the unit is activated by applying low control voltage between inspection wire (6) and earthing conductor (5) or between inspection wires (6) only, to control the electric energy stored in the set of capacitors (7) and supplied to permanent contacts (11) of those conductor wires, connected also to the tested elements (12) of lightning-arrester head (4), and then the information obtained on the electrical parameters of the conductors is transmitted by these conductors to the tester unit (1) either mounted directly to lightning arrester head (4) or located at some further distance from the head and coupled electrically to its earthing conductor (5) and with inspection wire (6). The essence of the testing equipment for the evaluation of electrical parameters of lightning protection system, in particular the lightning-arrester head (4), is in its consisting of tester unit (1) provided with probe (2) and socket (3) installed in lightning-arrester head (4) and containing connector with earthing conductor (5) of the lightning protection system and with inspection wire (6), whereas the testing unit (1) has a set of capacitors (7) that store electric energy and are electrically connected with inspection wire (6) and with electromechanical system (8) provided with moving element (9) with measuring contacts (10) opposing fixed contacts (11) of conductor wires (5) and (6) connected electrically with tested elements (12) of said lightning-arrester head (4).

IPC 1-7
G01R 31/12

IPC 8 full level
G01R 31/12 (2006.01)

CPC (source: EP)
G01R 31/1236 (2013.01)

Citation (search report)
See references of WO 2004102594A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004102594 A2 20041125; WO 2004102594 A3 20050602; WO 2004102594 B1 20050825; CN 100501431 C 20090617; CN 1717588 A 20060104; EP 1625410 A2 20060215; PL 201126 B1 20090331; PL 360217 A1 20041129; RU 2005136861 A 20060527; RU 2334239 C2 20080920

DOCDB simple family (application)
PL 2004000036 W 20040517; CN 200480000500 A 20040517; EP 04733504 A 20040517; PL 36021703 A 20030519; RU 2005136861 A 20040517