

Title (en)
METHOD FOR CHARGING A STRUCTURE COMPRISING AN INSULATING BODY

Title (de)
VERFAHREN ZUM LADEN EINER STRUKTUR MIT EINEM ISOLIERKÖRPER

Title (fr)
PROCEDE DE CHARGE D'UNE STRUCTURE COMPORTANT UN CORPS ISOLANT

Publication
EP 1399747 A1 20040324 (FR)

Application
EP 02760363 A 20020627

Priority
• FR 0202236 W 20020627
• FR 0108643 A 20010629

Abstract (en)
[origin: FR2826730A1] The invention concerns a method for charging a structure (1) consisting of an insulating body (2) sandwiched between two electrodes (3, 4). Said method comprises the following steps: placing a Faraday cage (9) in contact with one of the electrodes (3) of the structure (1), the other electrode (4) being brought to a reference potential, introducing the electrodes from a controlled electron emitting device (6) in the Faraday cage (9), the electrons reaching the electrode (3) with which it is contacted, so as to charge the structure (1). The invention is useful in particular for determining the properties of insulating materials.

IPC 1-7
G01R 27/26

IPC 8 full level
G01R 27/26 (2006.01); **G01Q 30/10** (2010.01); **G01Q 30/16** (2010.01); **G01R 31/305** (2006.01)

CPC (source: EP US)
G01R 27/2617 (2013.01 - EP US); **G01R 31/305** (2013.01 - EP US)

Citation (search report)
See references of WO 03003032A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
FR 2826730 A1 20030103; FR 2826730 B1 20030905; EP 1399747 A1 20040324; JP 2004521357 A 20040715; US 2003183764 A1 20031002; US 6730908 B2 20040504; WO 03003032 A1 20030109

DOCDB simple family (application)
FR 0108643 A 20010629; EP 02760363 A 20020627; FR 0202236 W 20020627; JP 2003509162 A 20020627; US 36221203 A 20030226