

Title (en)

DEVICE FOR MEASURING THE ARC TENSION IN A FURNACE

Publication

**EP 0106767 B1 19860716 (FR)**

Application

**EP 83402004 A 19831014**

Priority

FR 8217253 A 19821015

Abstract (en)

[origin: ES8405957A1] A system which permits the measurement, during operation, of the arc voltage electrodes having an upper metal portion (4) cooled by circulating water. The system employs an electrical instrumentation-cable (16) attached to a piece (5) for fixing the graphite consumable portion (3) of the electrode. This cable runs along the axis of the metal portion (4) and then inside one of the water-supply pipes (11), terminating at an electronic box (14) which converts the incoming measurement signal into a light wave.

IPC 1-7

**H05B 7/02**; **H05B 7/101**

IPC 8 full level

**H05B 7/148** (2006.01); **H05B 7/02** (2006.01); **H05B 7/101** (2006.01)

CPC (source: EP US)

**H05B 7/02** (2013.01 - EP US); **H05B 7/101** (2013.01 - EP US)

Citation (examination)

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AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 83402004 A 19831014**; AT 83402004 T 19831014; DE 3364532 T 19831014; ES 526467 A 19831014; FR 8217253 A 19821015; JP 18581483 A 19831004; US 53886183 A 19831004