

Title (en)
METHOD AND DEVICE FOR CHANGING THE ELECTRODES OF AN ELECTRICALLY OPERATED METALLURGICAL VESSEL, ESPECIALLY AN ARC FURNACE

Title (de)
VERFAHREN UND EINRICHTUNG ZUM WECHSELN DER ELEKTRODEN AN EINEM ELEKTRISCH BETRIEBENEN METALLURGISCHEN GEFÄSS, INSBESONDERE AN EINEM LICHTBOGENOFEN

Title (fr)
PROCEDE ET DISPOSITIF POUR REMPLACER LES ELECTRODES DANS UN CONTENANT METALLIQUE FONCTIONNANT ELECTRIQUEMENT, NOTAMMENT UN FOUR A ARC

Publication
EP 1287723 B1 20040630 (DE)

Application
EP 01936398 A 20010526

Priority
• DE 10027755 A 20000603
• EP 0106027 W 20010526

Abstract (en)
[origin: WO0195672A1] The invention relates to a method for changing the electrodes (3) of an electrically operated metallurgical vessel (1), especially an arc furnace, whereby a unit comprising contact electrodes with electrical connectors, coolant connectors and thermocouple connectors arranged on a base plate (10) is replaced with a new unit. In order to achieve this, the used unit (3) is detached from the bottom of the vessel (1a), lowered onto a positioned changeover carriage (5) or a changeover adaptor and taken away. The new unit (3) which is transported on the changeover carriage (5) or changeover adaptor is inserted into and secured to the bottom of the tank (1a) from below in a self-centering manner.

IPC 1-7
H05B 7/109

IPC 8 full level
H05B 7/109 (2006.01)

CPC (source: EP)
H05B 7/109 (2013.01)

Cited by
CN106565073A; DE102011075003C5

Designated contracting state (EPC)
AT DE IT

DOCDB simple family (publication)
WO 0195672 A1 20011213; AT E270489 T1 20040715; DE 10027755 A1 20011206; DE 50102750 D1 20040805; EG 22981 A 20031231; EP 1287723 A1 20030305; EP 1287723 B1 20040630; TW 524029 B 20030311

DOCDB simple family (application)
EP 0106027 W 20010526; AT 01936398 T 20010526; DE 10027755 A 20000603; DE 50102750 T 20010526; EG 20010586 A 20010603; EP 01936398 A 20010526; TW 90113290 A 20010601