

Title (en)

Electrode with cooling pipe for a plasma cutting device

Title (de)

Elektrode mit Kühlrohr für eine Plasmaschneidvorrichtung

Title (fr)

Electrode dotée d'un tuyau de refroidissement pour un dispositif de coupe à plasma

Publication

EP 2364070 B1 20160420 (DE)

Application

EP 10015592 A 20101214

Priority

DE 102009059108 A 20091218

Abstract (en)

[origin: EP2364070A2] The electrode (1) has an electrode body (2) with an axial, central and inwardly extending support (5) in a lower area. Coolant flows via a radially outer annular gap in an axial direction in interior of the body. A radially inner lying liquid channel (4) is formed by a replaceable cooling tube (3). A front face side of the tube is engaged in a circular recess (6) of the body, where coolant flow is diverted into the recess. A stop (10) and a stop tooth are arranged on an inner side of the body and cooperate with the front face side of the tube. The tube is positioned at the body by the stop.

IPC 8 full level

H05H 1/34 (2006.01)

CPC (source: EP US)

H05H 1/34 (2013.01 - EP US); **H05H 1/3436** (2021.05 - EP)

Cited by

CN109862682A; WO2021155874A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 102009059108 A1 20110622; EP 2364070 A2 20110907; EP 2364070 A3 20131023; EP 2364070 B1 20160420

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