

Title (en)

FRAME FOR A CARTRIDGE FOR A PLASMA ARC CUTTING SYSTEM, METHOD OF COOLING THE PLASMA ARC CUTTING SYSTEM AND METHOD OF MANUFACTURING THE FRAME

Title (de)

RAHMEN FÜR EINE KARTUSCHE FÜR EIN PLASMALICHTBOGEN-SCHNEIDSYSTEM, VERFAHREN ZUM KÜHLEN DES PLASMALICHTBOGEN-SCHNEIDSYSTEMS UND VERFAHREN ZUM HERSTELLEN DES RAHMENS

Title (fr)

CHÂSSIS D'UNE CARTOUCHE POUR UN SYSTÈME DE COUPAGE À L'ARC PLASMA, PROCÉDÉ DE REFROIDISSEMENT DU SYSTÈME DE COUPAGE À L'ARC PLASMA ET PROCÉDÉ DE FABRICATION DU CHÂSSIS

Publication

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Application

EP 19836670 A 20191107

Priority

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- US 2019060318 W 20191107

Abstract (en)

[origin: WO2020097365A1] A frame for a replaceable, unitary consumables cartridge configured for installation into a plasma arc torch. The frame includes a hollow body adapted to receive a translatable contact start electrode. The body has an internal surface and an external surface and includes: a substantially cylindrical metallic core; an electrically insulative overmolded plastic casing at least substantially surrounding a circumference of a distal end of the substantially cylindrical metallic core; and a set of flow passages fluidly connecting the external surface of the hollow body and the internal surface of the hollow body, the flow passages offset to impart a swirling fluid flow pattern to a plasma gases passing therethrough.

IPC 8 full level

H05H 1/34 (2006.01)

CPC (source: EP US)

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