

Title (en)
THREAD CONNECTION FOR A TORCH SYSTEM

Title (de)
GEWINDEANSCHLUSS FÜR EIN BRENNERSYSTEM

Title (fr)
RACCORD FILETÉ POUR SYSTÈME DE CHALUMEAU

Publication
EP 4319492 A3 20240515 (EN)

Application
EP 23216702 A 20180226

Priority
• US 201762464089 P 20170227
• EP 18712305 A 20180226
• US 2018019703 W 20180226

Abstract (en)
A connector component configured for coupling a consumable component to a plasma arc torch is provided. The connector component comprises a body having a proximal end and a distal end disposed along and defining a longitudinal axis. The connector component includes at least two engagement regions disposed radially about the longitudinal axis on a surface of the body. Each engagement region includes at least one engagement feature disposed on the surface of the body. The connector component also includes at least two free regions disposed radially about the longitudinal axis on the surface of the body. Each free region is radially located between a pair of the engagement regions and characterized by an absence of the engagement feature.

IPC 8 full level
H05H 1/34 (2006.01)

CPC (source: EP US)
H05H 1/3423 (2021.05 - EP US)

Citation (search report)
• [A] US 2012061355 A1 20120315 - SIMEK RICHARD JOSEPH [US], et al
• [A] US 2004232118 A1 20041125 - HORNER-RICHARDSON KEVIN D [US], et al
• [A] US 2006037945 A1 20060223 - SCHNEIDER JOSEPH C [US]
• [A] US 2010044351 A1 20100225 - REINKE RALF-PETER [DE], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2018157052 A1 20180830; CN 110326367 A 20191011; CN 110326367 B 20230808; EP 3586576 A1 20200101; EP 4319492 A2 20240207; EP 4319492 A3 20240515

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