

Title (en)

Plasma cutting torch device with interchangeable elements for pneumatic and electric arc striking

Title (de)

Plasmaschneidbrennervorrichtung mit auswechselbaren Elementen für pneumatische und elektrische Bogenentzündung

Title (fr)

Dispositif de torche de coupage par plasma avec éléments interchangeables pour l'amorçage pneumatique et électrique de l'arc

Publication

EP 1363479 A2 20031119 (EN)

Application

EP 03010685 A 20030513

Priority

IT BO20020298 A 20020514

Abstract (en)

A plasma cutting torch device with interchangeable elements for pneumatic and electric arc striking is provided with a body (2) having a mobile element (7) sliding into a tubular element (8) to which a nozzle (9) for the plasma jet exit is removably fixed. <??>The device includes: first interchangeable electrode (4) and bush (3) members and second interchangeable electrode (6) and bush (5) members; a connection means (10) carried out in a end portion of the mobile element (7); <??>In a pneumatic striking working condition (P) of the device (1), the first interchangeable bush member (3) is removably locked between the tubular element (8) and the nozzle (9) and the first interchangeable electrode member (4) is fixed to the connection means (10) and is slidably moved by the mobile element (7) in the first interchangeable bush member (3), between a condition of contact (C) to the nozzle (9) and a condition of maximum distance (D) from the nozzle (9). <??>In an electric striking working condition (E), the second interchangeable bush member (5) and the second interchangeable electrode member (6), fixed to the connection means (10), are rigidly and removably locked to the tubular element (8) so fixing the mobile element (7) in the respective condition of maximum distance (DD) from the nozzle (9). <IMAGE>

IPC 1-7

H05H 1/34

IPC 8 full level

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CPC (source: EP US)

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