

Title (en)

HIGH SPEED OXYACETYLENE CUTTING OF A THICK STEEL PART AND DEVICE THEREFOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BRENNSCHNEIDEN MIT HOHER GESCHWINDIGKEIT EINES AUS STAHL HERGESTELLTEN DICKEN WERKSTÜCKES

Title (fr)

PROCEDE D'OXYCOUPAGE A GRANDE VITESSE D'UNE PIECE EPAISSE EN ACIER, ET DISPOSITIF DE MISE EN OEUVRE DUDIT PROCEDE

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Application

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Abstract (en)

[origin: WO0170443A1] The invention concerns a method and a device for high speed oxyacetylene cutting of thick steel parts. The invention is characterised in that it consists in: synchronously moving a oxyacetylene cutting torch (30) maintained at a predetermined height above the part to be cut (1), and a kerf cutting torch (20) comprising at least a blade-type nozzle (25), which passes inside the very oxyacetylene cut (1.3). The blade-type nozzle (25) emits through its cutting edge at least a heating and/or gas cutting fluid jets striking hard the kerf front combining with the gas cutting fluid jets emitted by the oxyacetylene torch (30) to form a kerf front (1.4) having a broken line profile.

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