

Title (en)

METHOD AND INSTALLATION FOR POINTING A FINE FLUID JET, IN PARTICULAR IN WELDING, OR LASER HARDFACING

Title (de)

VERFAHREN UND EINRICHTUNG ZUR RICHTUNG EINES FEINEN FLÜSSIGKEITSSTRAHLS, INSBESONDERE FÜR LASER-SCHWEISSEN, -BEARBEITUNG ODER -AUFTRAGSCHWEISSEN

Title (fr)

PROCEDE ET INSTALLATION DE POINTAGE D'UN JET FIN DE FLUIDE, NOTAMMENT EN SOUDAGE, USINAGE, OU RECHARGEMENT LASER

Publication

EP 1567281 A1 20050831 (FR)

Application

EP 03778436 A 20031022

Priority

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Abstract (en)

[origin: FR2846581A1] The invention concerns the aiming of a fine jet of fluid from a blowing nozzle (5) onto a zone or object. The nozzle incorporates an ejection channel (10) including a terminal part (11) with an essentially circular section, and a luminous source (3) arranged in the axis of the ejection channel generating a non divergent mono- or poly-chromatic luminous beam, of which at least one wavelength is between 400 and 760 nanometers, coaxial to the ejection channel. The flow of the fluid is momentarily interrupted, by displacement of the zone or object, the luminous beam is aimed on the zone or object and the fine jet of fluid is projected onto the zone or object. Independent claims are also included for: (a) an aiming device for putting this method into service; (b) a welding, machining or recharging installation incorporating this aiming device. The luminous source is a laser source (claimed).

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