

Title (en)  
PLASMA NOZZLE

Title (de)  
PLASMADUSE

Title (fr)  
BUSE A PLASMA

Publication  
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Application  
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Abstract (en)  
[origin: WO2008107180A1] The invention relates to a plasma die and to a method for the treatment of surfaces of work pieces with plasma dies, comprising a housing (1), which has a first electrode unit (3) with which a first die channel (15) is associated, wherein the first die channel (15) has at least one electrically conductive wall and is insulated from the first electrode unit, and said housing accommodating at least one additional electrode unit (3'), having means for applying a voltage between the first and second electrode units (3, 3') and additionally having means (11) for supplying a process gas flow to each electrode unit (3, 3'), wherein a separate die channel (15) is associated with the at least one additional electrode unit (3'), said die channel having an electrically conductive wall that is insulated from the associated electrode unit (3'), said separate die channels (15) being disposed such that the process gas flows unite and form in a common die exit opening (16) of a die tip (14), and the walls of the first and second die channels (15) are directly electrically connected to one another.

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