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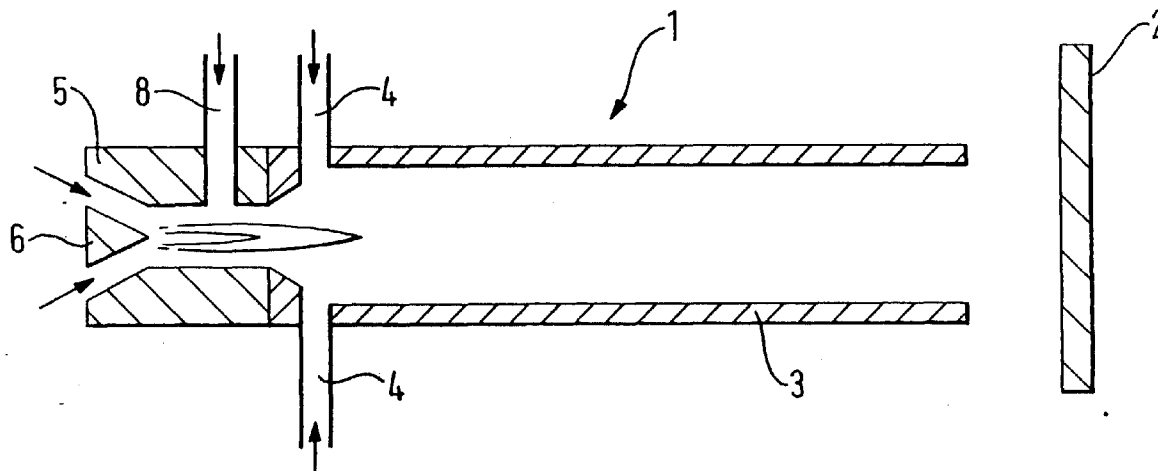
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(54) Improved plasma spraying

(57) An apparatus 1 for the plasma spraying of a substrate 2 comprises a reaction chamber 3 at one end of which is located a plasma torch. A plasma forming gas is delivered under pressure to the torch such that a plasma jet is produced which extends along the length

of the reaction chamber 3. An inlet port 8 is provided in the torch for the passage therethrough of a powder material and inlet ports 4 are provided in the reaction chamber 3 for injecting a reactive gas such as methane into the plasma jet.



EP 0 887 432 A3



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EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25 November 1998	Examiner Elsen, D
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EUROPEAN SEARCH REPORT

Application Number
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The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner
THE HAGUE	25 November 1998	Elsen, D
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>		

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