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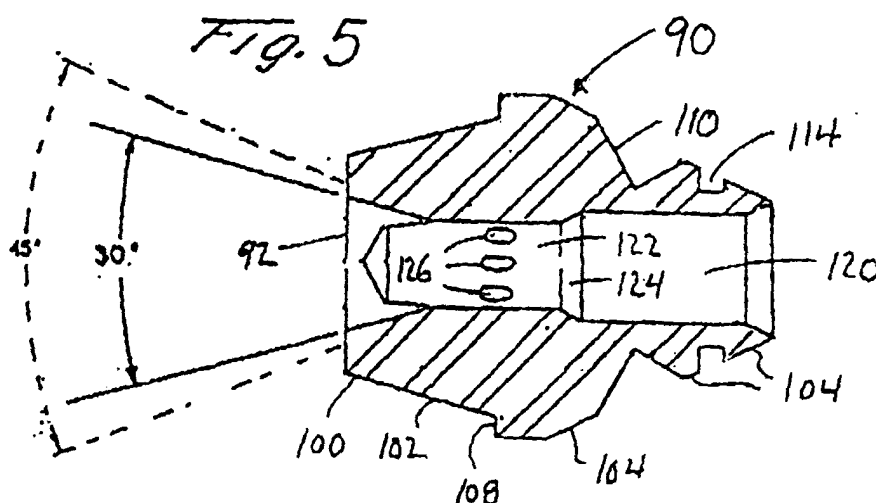
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(54) **Internal mix air spray nozzle for spraying fluent materials**

(57) An internal mix air spray nozzle (90) for spraying fluent materials is comprised of a unitary one piece body (100) having a fluid material delivery bord extending therethrough and defining an air and fluid mixing chamber (122), a spray orifice (92) at the downstream end of the chamber, and a plurality of circumferentially spaced air orifices (126) inclined in the downstream direction into the chamber for introducing air into the fluid

material and for causing the material to be emitted from the orifice as an atomized spray. The fluid supply passage, the air supply passages (126), the spray orifice (92) and the pressures of the air and fluid are correlated to produce a properly atomized spray of uniform spray density especially well suited for the spraying of heavily leaden and viscous materials such as stucco and the like.



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# EUROPEAN SEARCH REPORT

Application Number  
EP 97 42 0094

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The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>14 January 1999</b>	Examiner <b>Juquet, J</b>
<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</p> <p>&amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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