

Title (en)  
INTEGRITY SENSOR FOR FLUID JET NOZZLE

Title (de)  
UNVERSEHRTHEITSFÜHLER FÜR STRAHLDÜSEN

Title (fr)  
DETECTEUR D'INTEGRITE POUR AJUTAGE DE JET DE FLUIDE

Publication  
**EP 0539581 B1 19960327 (EN)**

Application  
**EP 92915282 A 19920515**

Priority  
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Abstract (en)  
[origin: WO9220456A1] An apparatus (10) includes a nozzle assembly (12) having a nozzle orifice (18) formed therein. A highly pressurized fluid source is in fluid communication with the nozzle orifice (18), wherein a fluid jet (20) is discharged through the nozzle orifice (18) into a chamber downstream of said nozzle assembly (12). A sensor (24) is in fluid communication with the chamber (22) for sensing the fluid condition in said chamber (22) which provides an indication of the quality of the nozzle orifice (18). An alignment portion (33) aligns the orientation of the fluid jet (20) relative to the workpiece based upon the indication of the quality of the fluid jet (20).

IPC 1-7  
**B05B 12/08**; **B24C 7/00**; **B26F 3/00**

IPC 8 full level  
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