

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

- US 9204143 W 19920515
- US 70199791 A 19910517

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

**B05B 12/08** (2006.01); **B24C 5/02** (2006.01); **B24C 7/00** (2006.01); **B26F 3/00** (2006.01)

CPC (source: EP)

**B05B 12/085** (2013.01); **B24C 7/0069** (2013.01); **B26F 3/004** (2013.01)

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

**WO 9220456 A1 19921126**; DE 69209436 D1 19960502; DE 69209436 T2 19960814; EP 0539581 A1 19930505; EP 0539581 B1 19960327; ES 2085629 T3 19960601; JP H06503761 A 19940428

DOCDB simple family (application)

**US 9204143 W 19920515**; DE 69209436 T 19920515; EP 92915282 A 19920515; ES 92915282 T 19920515; JP 50024192 A 19920515