

Title (en)  
SYSTEM FOR PLASMA CUTTING OR WELDING INCORPORATING A TIMER

Publication  
**EP 0192573 B1 19890927 (FR)**

Application  
**EP 86400343 A 19860219**

Priority  
FR 8502554 A 19850222

Abstract (en)  
[origin: ES8705181A1] The plasma welding or cutting system comprises in particular a torch (2), a nozzle (3), a gas supply for the torch for supplying the torch with a plasma-producing gas, and an electrical supply for the torch for creating, maintaining or breaking an electric plasma welding or cutting arc. According to the invention, the system further comprises a delay system connected, on one hand, to the electrical supply for the torch, and, on the other hand, to the gas supply for the torch, the delay system being, when the torch is supplied by the gas supply and the electrical supply, responsive to the breaking of the electric arc of the torch and causing the closure of the gas supply after a predetermined period of time following the breaking of the electric arc so as to achieve the cooling of the torch and the maintenance of the nozzle against its seat during said period of time.

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**EP 0192573 A1 19860827**; **EP 0192573 B1 19890927**; AR 240119 A1 19900131; AT E46804 T1 19891015; AU 5378386 A 19860828; AU 577673 B2 19880929; BR 8600731 A 19861104; CA 1253578 A 19890502; DE 3665970 D1 19891102; DK 169455 B1 19941031; DK 78386 A 19860823; DK 78386 D0 19860220; ES 552069 A0 19870416; ES 8705181 A1 19870416; FR 2578138 A1 19860829; FR 2578138 B1 19870327; JP H029917 B2 19900305; JP S61222678 A 19861003; PT 82065 A 19860301; PT 82065 B 19920529; US 4692582 A 19870908; ZA 861214 B 19861029

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