

Title (en)
ARC PLASMA TORCH

Publication
EP 0155254 B1 19890712 (FR)

Application
EP 85870025 A 19850213

Priority
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Abstract (en)
[origin: EP0155254A2] 1. Electric-arc plasma torch, supplied with a continuous or rectified electrical current, comprising : (a) a hot cathode (3) ; (b) an intermediate electrode (6), called an ignition electrode ; (c) an anode (2) ; (d) means (8) for introducing an inert gas between the hot cathode and the intermediate electrode ; (e) means (4) for introducing a plasma-forming gas between the intermediate electrode and the anode ; (f) means for connecting the hot cathode (3) to the negative poles of a main current source and an ignition current source ; (g) means for connecting the intermediate electrode (6) to the positive poles of the said main current source and of the said ignition current source ; high-frequency current source ; (h) means for connecting the anode (2) to the positive pole of the said main current source ; (i) current interruption means for disconnecting the said intermediate electrode (6) from the ignition current source.

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IPC 8 full level
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Cited by
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EP 0155254 A2 19850918; **EP 0155254 A3 19860319**; **EP 0155254 B1 19890712**; AU 3893085 A 19850822; AU 579851 B2 19881215; BE 898951 A 19840817; BR 8500708 A 19851008; CA 1230387 A 19871215; DE 3571544 D1 19890817; JP S60189199 A 19850926; US 4596918 A 19860624; ZA 851134 B 19850925

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