

Title (en)
METHOD FOR FORMING A CARBON FILM

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES KOHLENSTOFF-FILMS

Title (fr)
PROCEDE DE FORMATION D'UN FILM DE CARBONE

Publication
EP 0918886 A1 19990602 (EN)

Application
EP 98904681 A 19980126

Priority
• US 9801441 W 19980126
• US 82137497 A 19970320

Abstract (en)
[origin: WO9841666A1] A method for forming a carbon film includes the step of pulsing an arc (122) within a vacuum arc deposition apparatus (100) having a graphite source (115). The method includes pulsing a current signal (119) from an arc power supply (116). The current signal (119) is within a range of 100-300 amperes. The current signal (119) is pulsed at a power MOSFET switching circuit (200) to provide a pulsed arc signal (120). Pulsed arc signal (120) has a pulse width within a range of 0.5-2 microseconds and within a range of 20-30 % of the period of the pulsed arc signal (120). The pulsed arc signal (120) also has a rise time that is within a range of 5-20 nanoseconds.

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IPC 8 full level
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CPC (source: EP KR)
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