

Title (en)  
Electrode with brazed separator and method of making same

Title (de)  
Elektrode mit hartgelötetem Abscheider

Title (fr)  
Electrode avec séparateur brasé et son procédé de réalisation

Publication  
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Application  
**EP 01308236 A 20010927**

Priority  
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• US 83569801 A 20010416

Abstract (en)  
An electrode for a plasma arc torch and method of fabricating the same are disclosed, and wherein the electrode comprises a copper holder defining two coaxial cavities. An emissive element is secured to one of the cavities and serves as the cathode terminal for the arc during operation. A relatively non-emissive separator is disposed about the emissive element within the other cavity, and acts to separate the copper holder and the emissive element, as well as resisting detachment of the arc from the emissive element and attachment to the copper holder. <IMAGE>

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IPC 8 full level  
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Cited by  
CZ307748B6; EP1765046A1; US9662747B2; US8101882B2; US10098217B2; US10194516B2; WO2007030420A1; US7659488B2; US6841754B2; USRE46925E; WO2018229308A3

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