

Title (en)  
Metal-loaded carbon fibres.

Title (de)  
Metall enthaltende Kohlenstoffasern.

Title (fr)  
Fibres de carbone chargées de métaux.

Publication  
**EP 0378381 A2 19900718 (EN)**

Application  
**EP 90300269 A 19900110**

Priority  
US 29569689 A 19890111

Abstract (en)  
Disclosed is an improved metal loaded carbon fiber and a process for its production. Incorporated within the fiber is a combination of a boron compound and a heavy metal salt wherein the heavy metal is selected from the elements contained in Groups IVB, VB and VIB of the Periodic Table. These composite metal loaded carbon fibers show high thermal oxidation resistance and low degradation when compared to prior art carbon fibers. They have great utility in the aircraft and space technology because of their high oxidation resistance and their ability to retain structure at high temperature over extended periods of time.

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IPC 8 full level  
**D01F 9/16** (2006.01); **D01F 9/21** (2006.01); **D01F 9/22** (2006.01); **D01F 11/12** (2006.01)

CPC (source: EP)  
**D01F 9/22** (2013.01); **D01F 11/12** (2013.01); **D01F 11/124** (2013.01)

Cited by  
US5688594A; US5792555A; EP1375707A1; CN108431310A; US6820406B2; EP0717133A2; US7708805B2; WO2017117544A1; US6833399B2; US10407802B2; US10961642B2

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