

Title (en)  
PROCESSES FOR PRODUCING MONOLITHIC POROUS CARBON DISKS FROM AROMATIC ORGANIC PRECURSORS

Title (de)  
VERFAHREN ZUR HERSTELLUNG MONOLITHISCHER PORÖSER KOHLENSTOFFPLATTEN AUS AROMATISCHEN ORGANISCHEN VORLÄUFERN

Title (fr)  
PROCEDES DESTINES A LA PRODUCTION DE DISQUES EN CARBONE POREUX MONOLITHIQUE A PARTIR DE PRECURSEURS ORGANIQUES AROMATIQUES

Publication  
**EP 1789364 A4 20110413 (EN)**

Application  
**EP 05808801 A 20050812**

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Abstract (en)  
[origin: WO2006023419A1] Disclosed are processes for producing monolithic and metal doped monolithic porous carbon disks from prepolymer organic precursors in the powder form composed of either or both polyimide and polybenzimidazole. The powders are consolidated (compressed) into disks and then pyrolyzed to form the desired porous carbon disk. Porous carbon-carbon composite disks are also prepared by adding carbon to the prepolymer organic precursors.

IPC 8 full level  
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Citation (search report)  
• [A] US 5672389 A 19970930 - TRAN HUY K [US], et al  
• [ID] US 5973912 A 19991026 - KIBI YUKARI [JP], et al  
• [I] BURGER A ET AL: "Polyimides as precursors for artificial carbon", CARBON, ELSEVIER, OXFORD, GB, vol. 13, no. 3, 1 June 1975 (1975-06-01), pages 149 - 157, XP024031117, ISSN: 0008-6223, [retrieved on 19750601], DOI: 10.1016/0008-6223(75)90225-0  
• [A] YUDIN V E ET AL: "Carbonization behaviour of some polyimide resins reinforced with carbon fibers", CARBON, ELSEVIER, OXFORD, GB, vol. 38, no. 1, 1 January 2000 (2000-01-01), pages 5 - 12, XP004243554, ISSN: 0008-6223, DOI: 10.1016/S0008-6223(99)00073-1  
• See references of WO 2006023419A1

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DOCDB simple family (application)  
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