

Title (en)  
Self-supporting/self-centering filament.

Title (de)  
Selbsttragende und selbstzentrierende Heizwendel.

Title (fr)  
Filament autoporteur et auto-centré.

Publication  
**EP 0594183 A1 19940427 (EN)**

Application  
**EP 93117103 A 19931021**

Priority  
US 96550392 A 19921023

Abstract (en)  
A self-supporting/self-centering filament for a double-ended lamp envelope includes two inlead portions, an active center segment, two inactive end segments and two skip turns. The two end segments are attached to the inlead portions and contact an inner surface of the lamp envelope so that the filament is supported and centered within the lamp envelope. The two skip turns interconnect the end segments and the center segment. The end segments, the center segment and the skip turns have a coiled coil configuration and have a common central axis. The filament is particularly useful in a tubular incandescent lamp capsule having an infrared reflective coating on its outer surface as the filament exhibits excellent self-supporting and self-centering characteristics. <IMAGE>

IPC 1-7  
**H01K 1/14**; **H01K 1/24**

IPC 8 full level  
**H01K 1/14** (2006.01); **H01K 1/24** (2006.01)

CPC (source: EP)  
**H01K 1/14** (2013.01); **H01K 1/24** (2013.01)

Citation (search report)  
• [X] FR 2608838 A1 19880624 - GEN ELECTRIC [US]  
• [Y] GB 2080022 A 19820127 - PHILIPS NV  
• [Y] US 4916353 A 19900410 - DANKO GEORGE K [US], et al  
• [A] EP 0397422 A2 19901114 - GEN ELECTRIC [US]

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US7173216B2; US6818864B2; EP0686998A1; US6798001B2; US6465761B2

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