

Title (en)  
PROCESS FOR PRODUCING ELECTRIC INCANDESCENT LAMPS

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINER ELEKTRISCHEN GLÜHLAMPE

Title (fr)  
PROCEDE DE PRODUCTION DE LAMPES ELECTRIQUES A INCANDESCENCE

Publication  
**EP 0807316 B1 19990428 (DE)**

Application  
**EP 96900847 A 19960124**

Priority

- DE 9600100 W 19960124
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Abstract (en)  
[origin: WO9624157A1] An electric incandescent lamp is disclosed, in particular a low-watt, low-voltage incandescent lamp, as well as a process for producing the same. The lamp has a helical tungsten filament (4) with straight ends (4a, 4b) that are each soldered or welded to a current supply (2, 3). The current supplies (2, 3) are made of a metal with a lower fusion temperature than tungsten. In order to solder or weld the incandescent helical filament (4) to the current supplies (2, 3), the latter are arranged in such a way that the straight ends (4a, 4b) of the helical filament and the preferably hook-shaped ends (2a, 3a) of the current supplies cross each other. The ends (2a, 3a) of the current supplies are quickly heated up to their fusion temperature by a laser. The molten mass flows over the corresponding end (4a, 4b) of the helical filament, so that after the molten mass solidifies the ends of the helical filament are embedded in the metal of the current supplies.

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