

Title (en)

Ceramic metal halide lamp lead welding system

Title (de)

Schweissvorrichtung für Leitern von Keramik Metall-Halegonid Lampen

Title (fr)

Système de soudage pour les conducteurs de lampes céramiques aux halogénures métalliques

Publication

**EP 1158557 A2 20011128 (EN)**

Application

**EP 01304347 A 20010516**

Priority

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Abstract (en)

Method and apparatus for forming a wire lead of a ceramic metal halide lamp. At least two wire components (N, M) are welded together to form the lead. Most preferably a three wire component is formed from tungsten, niobium, and molybdenum wires. A weld junction is formed by supporting first and second wire components in first and second wire supports (112, 114) that axially align the wire components along a common axis. A moveable wire (112) support is moved in a direction of the common axis until facing ends of the first and second wire components contact each other. While maintaining a force of engagement between the facing ends of the first and second wire components, a weld joint is formed to join the first and second wire components. After inspecting the first such joint, a second joint is formed to produce the three wire lead. This last joint is most preferably used to add a tungsten tip to an already formed niobium-molybdenum wire component (NM). <IMAGE>

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CPC (source: EP)

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