

Title (en)

Discharge lamp with surrounding shroud and method of making such lamp.

Title (de)

Entladungslampe mit doppelwandigem Kolben und Verfahren zu deren Herstellung.

Title (fr)

Lampe à décharge avec récipients à doubles parvis et procédé pour la fabriquer.

Publication

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Application

**EP 91305715 A 19910625**

Priority

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Abstract (en)

This discharge lamp includes (i) an inner envelope (12) of vitreous material comprising a bulbous portion (14) and two tubular portions (16, 18) extending from the bulbous portion and (ii) a tubular shroud (20) of vitreous material surrounding the bulbous portion and the two tubular portions. The lamp is made by the following method. A disk-shaped enlargement (30) is formed in at least one of the tubular portions by heating a localized region of the tubular portion to its softening point and then subjecting said localized region to a compressive force (i) that is abruptly applied along the length of the tubular portion and (ii) that drives the softened vitreous material radially outward into a disk formation. Then the tubular shroud is placed over the inner envelope so that each disk-shaped enlargement is positioned with its outer periphery closely adjacent the inner periphery of the surrounding tubular shroud. Then seals are formed between the outer peripheries of the disk-shaped enlargements and the surrounding shroud portions by heating each of the surrounding shroud portions to its softening point and collapsing it about the outer periphery of the associated disk-shaped enlargement. <IMAGE>

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