

Title (en)
Method and apparatus for producing a lamp

Title (de)
Verfahren und Vorrichtung zum Herstellen einer Lampe

Title (fr)
Procédé et appareil pour la fabrication d'une lampe

Publication
EP 1632988 A2 20060308 (DE)

Application
EP 05010912 A 20050519

Priority
DE 102004027997 A 20040609

Abstract (en)
Production of lamp, preferably incandescent lamp pinched at one end, having a lamp bulb, into which a luminous mechanism and supply leads are inserted through a feed opening, the lamp tube being sealed by pinching the region of the feed opening, comprises filling the lamp bulb (2) through the feed opening before the pinching. An independent claim is also included for an apparatus for carrying out the method, comprising (i) holder for lamp bulb and a luminous mechanism; (ii) feeding and evacuating device via which inert and/or filling gas can be fed or evacuated through a feed opening in the lamp bulb for the luminous mechanism; (iii) laser for heating the pinch region of the lamp bulb; and (iv) pinching device for making a gas-tight pinch in the region of the feed opening.

Abstract (de)
Offenbart sind ein Verfahren und eine Vorrichtung zum Herstellen einer Lampe (1) sowie eine nach diesem Verfahren hergestellte Lampe, bei denen die Befüllung eines einseitig geschlossenen Lampenkolbens (2) durch eine Zuführöffnung (30) für ein Leuchtmittel erfolgt. Dadurch lässt sich eine Kuppe (4) des Lampenkolbens (2) glatt ohne Pumpspitze (6) ausführen.

IPC 8 full level
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CPC (source: EP US)
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Citation (applicant)
• DE 3507794 A1 19850912 - STANLEY ELECTRIC CO LTD [JP]
• EP 1024515 A1 20000802 - MATSUSHITA ELECTRONICS CORP [JP]
• US 4746316 A 19880524 - SUDO SHIGERU [JP], et al

Citation (examination)
• DE 3507794 A1 19850912 - STANLEY ELECTRIC CO LTD [JP]
• US 2914371 A 19591124 - HANS WIEDENMANN
• US 4746316 A 19880524 - SUDO SHIGERU [JP], et al
• US 4287231 A 19810901 - DECARO ARISTIDE R, et al

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