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(71) Applicant: **GENERAL ELECTRIC COMPANY**
Schenectady, NY 12345 (US)

(72) Inventors:
• **Roberts, Victor David**
Burnt Hills, New York 12027 (US)
• **El-Hamamsy, Sayed-Amr Ahmes**
Schenectady, New York 12308 (US)

- **Taubert, Timothy Alan**
Kirtland, Ohio 44094 (US)
- **Mieskoski, James Dominic**
Seven Hills, Ohio 44131 (US)
- **Everest, Steven**
Schenectady, N.Y. 12309 (US)
- **Antonis, Basil**
London N2 9LY (GB)

(74) Representative: **Lupton, Frederick et al**
LONDON PATENT OPERATION,
G.E. TECHNICAL SERVICES Co. INC.,
Essex House,
12/13 Essex Street
London WC2R 3AA (GB)

(54) **Electrodeless lamp**

(57) An electrodeless lamp (e.g., an electrodeless fluorescent lamp (30)) includes a dielectric housing (32) shaped to conform to a portion of a lamp envelope (12), which housed portion is opposite to a portion (36) through which light is emitted. The dielectric housing (32) includes a continuous conductor, i.e., a shorted turn (40), situated between the dielectric housing (32) and the lamp envelope (12) which conforms to at least a portion of the dielectric housing (32). The configuration of the shorted turn (40), in terms of the location and amount of surface area occupied thereby, is optimized to minimize interaction between the excitation coil (14) and any metallic fixture and to avoid interfering with lamp starting and light output.

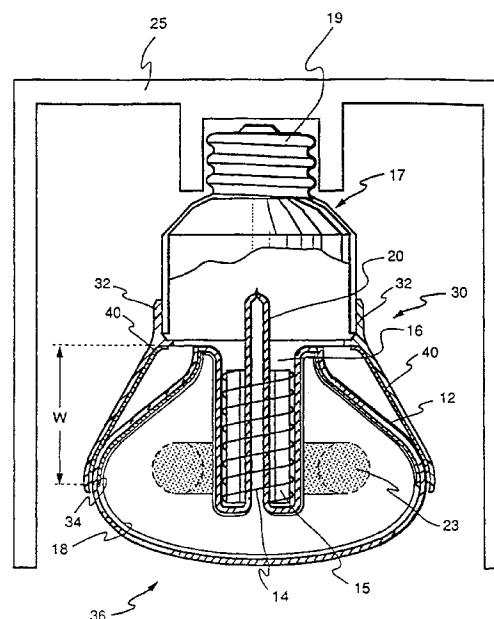


FIG. 2a

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EUROPEAN SEARCH REPORT

Application Number
EP 94 30 9544

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	GB-A-2 249 165 (KOITO MFG CO LTD) 29 April 1992 * claims 6-8; figure 1 * ---	1,2,4-6, 9-13	H01J65/04
A	DE-A-41 34 101 (KOITO MFG CO LTD) 23 April 1992 * claims 1-3; figure 1 * ---	1,2,4-6, 9,10	
A	PATENT ABSTRACTS OF JAPAN vol. 009, no. 270 (E-353), 26 October 1985 & JP-A-60 115144 (HITACHI SEISAKUSHO KK), 21 June 1985, * abstract * -----	1,3-8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6) H01J
Place of search THE HAGUE		Date of completion of the search 24 September 1996	Examiner Deroubaix, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons & : member of the same patent family, corresponding document			

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