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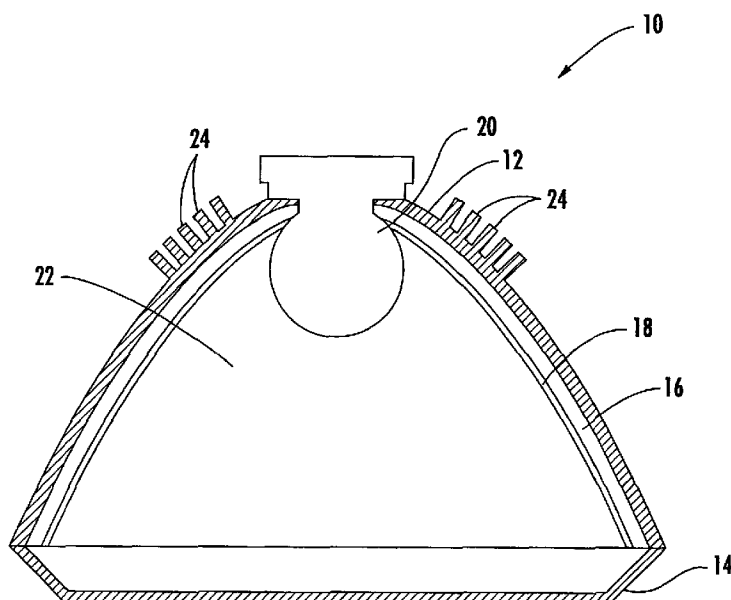
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(54) Title: THERMALLY CONDUCTIVE LAMP REFLECTOR



(57) Abstract: A thermally conductive lamp reflector (10) is provided that dissipates heat from a light source (20) within the reflector (10). The reflector assembly (10) includes a shell (12) having a metallized layer (16) on its surface. The shell (12) is made from a composition including about 30 % to about 80 % by volume of a base polymer matrix and about 20 % to about 70 % by volume of a thermally conductive filler material. The reflector (10) has a thermal conductivity of greater than 3 W/m°K and preferably greater than 22 W/m°K. The reflectors (10) can be used in automotive headlamps, flashlights, and other lighting fixtures. A method of forming the lamp reflector (10) is also provided.



WO 03/021623 A1



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