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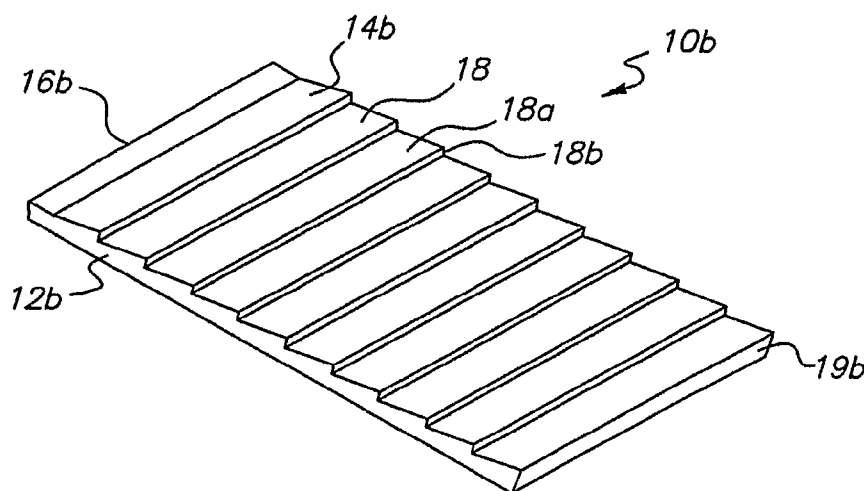
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(54) Title: OPTICAL DEVICES FOR GUIDING ILLUMINATION



(57) Abstract: Optical devices (10a, 10b, 10c, 10d,) for guiding illumination are provided each having a body (12a, 12b, 12c, 12d) with staircase (11) or acutely angled ramp structures (18, 20, 22) on its front or top surface (14a, 14b, 14c, 14d) for distributing light inputted from one end (16a, 16b, 16c, 16d) of the device from front exit faces (11a, 18b, 20b, 22b) of such structures (11, 18, 20, 22), while at least a substantial portion of the light is totally internally reflected within the body until so distributed. Optical devices (10e, 10f) are also provided each have a body (30) having a bottom surface (34) with acutely angled ramp structures (32) and falling structures (36) which alternate with each other, such that light from end (38) is totally internally reflected within the device until reflected by such ramp structures (32) to exit the top surface (33) of the device or transmitted through the ramp structures (32) to an adjacent falling structure (36) back into the device. Acutely angled ramp structures (50, 51) may be provided on both top and bottom surfaces (53a, 53b) of optical devices (10g) for distributing light along such top surface (53a).



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