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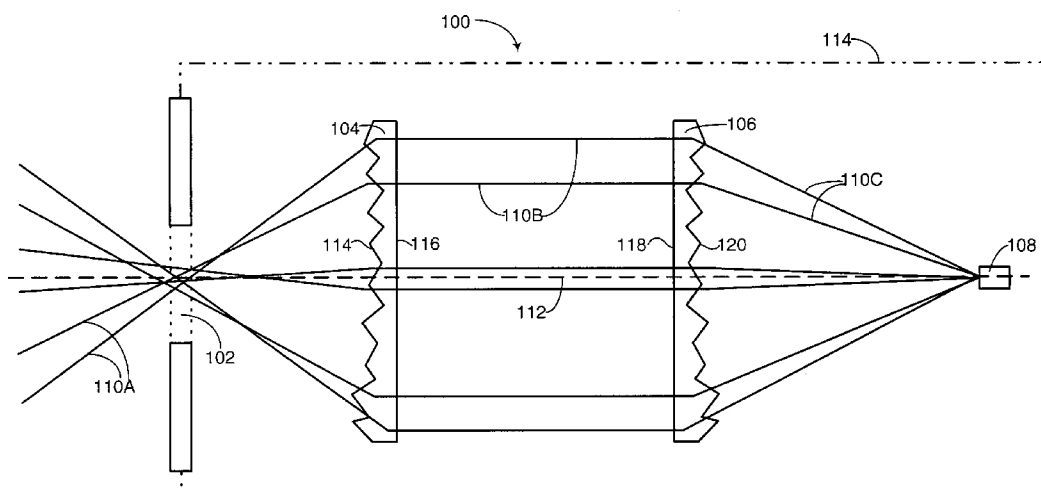
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(54) Title: OPTICAL CONCENTRATOR



(57) Abstract: Apparatus for concentrating light rays arriving from at least one opening onto a receiver, individual beams of the light rays each arriving at the apparatus substantially collimated, the apparatus including a respective Fresnel lens assembly for each opening, the Fresnel lens assembly including a first Fresnel lens, and a second Fresnel lens, the first Fresnel lens being located between the opening and the receiver, the second Fresnel lens being located between the first Fresnel lens and the receiver, the first Fresnel lens collimating the light rays arriving from the opening, the second Fresnel lens converging the collimated light rays onto the receiver, the opening being located in front of the Fresnel lens assembly, on the focal plane of the first Fresnel lens, centered on the focal point of the first Fresnel lens, and the receiver being located behind the Fresnel lens assembly, on the focal point of the second Fresnel lens.

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