LENS ARRAY

ABSTRACT

An optical lens array featuring low cost and simple manufacture. The lens array has two lens sections separated by spacers, with a stop on the front surface. An optional wraparound frame protects the lens array from external light. The spacers and stop, as well as the optional frame, are made of black polymer to block unwanted scattered or external light. The lens sections, stop, spacers, and frame can all be made by injection-molding. Notches, locating holes, posts, and ears serve to orient and align the parts, and to prevent incorrect assembly.

FIG. 2