

1 IMAGE SHAPING OPTICAL DEVICE

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3 ABSTRACT OF THE DISCLOSURE

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5 An optical device adapted to transmit light from an area of interest to a field of
6 view of a camera detector array of a camera, comprising at least two wedges, each
7 wedge having a top wall, a bottom wall, a front wall adapted to receive light from a
8 segment of the area of interest, and a rear wall, wherein each of the at least two
9 wedges is adapted to transmit the light from the segment to a corresponding segment of
10 the field of view of the camera detector array. The wedges comprise a first wedge and
11 a second wedge, and the bottom wall of the first wedge contacts the top wall of the
12 second wedge such that each wedge is vertically offset from each other corresponding
13 wedge, and each segment is horizontally offset from each other segment.

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15 Fig. 2
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