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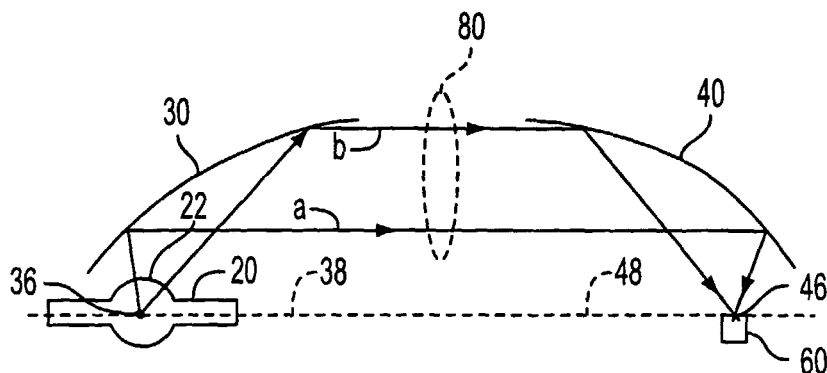
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COUPLING OF LIGHT FROM A SMALL LIGHT SOURCE FOR PROJECTION SYSTEMS USING PARABOLIC REFLECTORS



(57) Abstract: A portion of a first paraboloid collects and concentrates randomized light from a lamp into parallel beams directed to a portion of a second paraboloid which refocuses the light onto a homogenizer. The second paraboloid has a shape that is substantially similar to the first paraboloid reflector. The source and the target are located at the respective foci of the paraboloids such that the optical flux from the source is imaged to the target with minimal distortion in an approximately no magnification imaging system. The system may be configured to control wavelength and intensity by inserting an additional filter. In addition, a retro-reflector may be added to increase the overall flux density at homogenizer. The output is particular suitable for providing light to the light engine of projectors.