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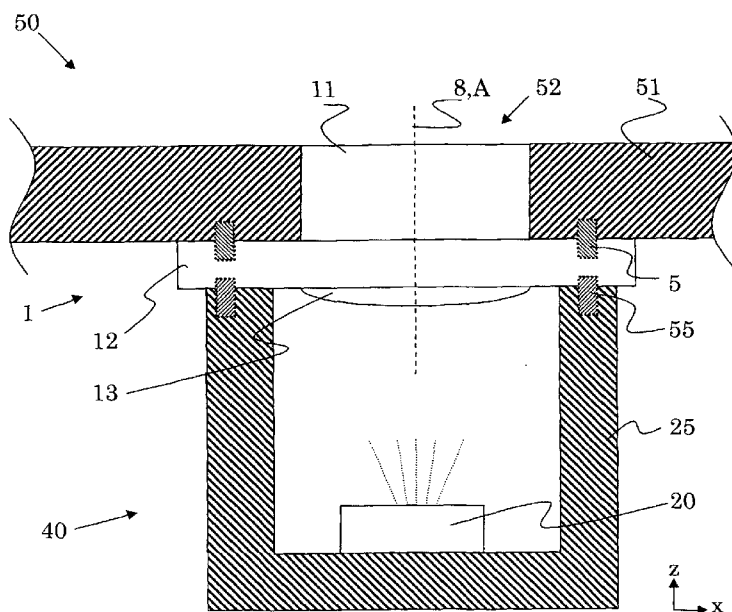


Fig. 1

(57) Abstract: The optical system comprises a base plate having a first plate side and a second plate side, a light guide element located substantially on said first plate side and a lens element located on said second plate side. The base plate and the light guide element are integrally formed or are distinct parts, and the base plate is at least partially transparent. The optical system forms a light path for light passing through said lens element, across said base plate and through said light guide element, and wherein said base plate comprises at least one mechanical guiding element. The method for manufacturing such an optical system comprises providing a wafer comprising a multitude of said base plates.