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(54) **Title:** KIT FOR FORMING A MICROPLATE ASSEMBLY FOR ABSORBANCE MEASUREMENTS OF LIQUID SAMPLES

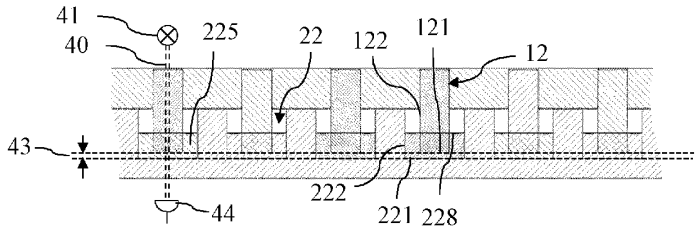


Fig. 9

(57) **Abstract:** A kit for forming a microplate assembly for absorbance measurements of liquid samples comprises an upper plate (1) comprising at least one plurality of rods (12), each rod (12) having a flat rod bottom surface (121), a lower plate (2), and alignment guides for aligning the upper plate (1) and the lower plate (2) relative to each other as well as spacers for determining the distance of the upper plate (1) and the lower plate (2) relative to each other. The lower plate (2) comprises a plurality of wells (22), each having a flat well bottom surface (221). The alignment guides are configured and arranged such that each well (22) accommodates one rod (12) of each plurality of rods. The spacers comprise a plurality of threaded adjustment bolts (13a, 13b, 13c) which are arranged such that, when the upper plate (1) and the lower plate (2) are assembled to form the microplate assembly, each flat rod bottom surface (121) is arranged parallel to the corresponding flat well bottom surface (221) at a predetermined distance (43) in the range of 0.5 mm to 5 mm.

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