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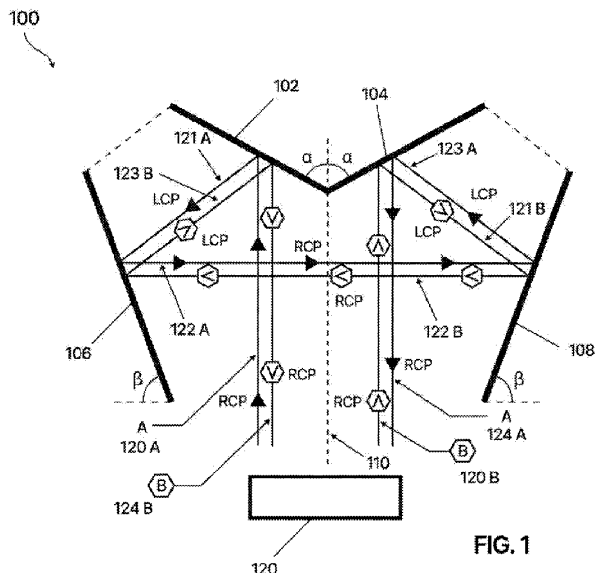


FIG. 1

(57) Abstract: Mirror arrangements for a magneto-optical trap are described. A mirror arrangement comprises: a first deflector mirror; a second deflector mirror, a first combiner mirror; and a second combiner mirror. The mirrors are arranged to provide two orthogonal counter propagating beam pairs in a plane. A second mirror arrangement additionally comprises a third deflector mirror; a fourth deflector mirror; a third combiner mirror; and a fourth combiner mirror. The mirrors are arranged to provide three orthogonal counter propagating beam pairs.

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