

ABSTRACT OF THE DISCLOSURE

Disclosed is a target identification system, including a calculation section calculating a positional relation between eyes of a worker and a camera attached to the worker based on a reference image while the worker confronts a reference target placed at a predetermined distance, a creation section creating, based on a spatial image, an environmental map of a space, a setting section setting, based on the positional relation, a line-of-sight plane containing the target and the eyes and fingertip of the worker in the environmental map, a estimation section estimating a line of sight of the worker in the line-of-sight plane based on a coordinate difference between central coordinates and the fingertip in a captured image to depict the fingertip and the target while the target is pointed at by the worker, and an identification section identifying the target pointed at by the worker.

FIG. 4