

ABSTRACT OF THE DISCLOSURE

ENERGY BEAM IRRADIATION SYSTEM AND WORK TRANSFER MECHANISM

To provide an energy beam irradiation system which can greatly improve the throughput thereof and can make efficient use of an energy beam.

5 The energy beam irradiation system includes an energy beam emitting mechanism and a work holder for transferring works to be irradiated by the energy beam between a predetermined work delivery area and an energy beam irradiation area. The work delivery area includes two work delivery areas respectively formed in two portions opposed to each other across a virtual straight line passing the irradiation area. The work holder includes a
10 first work holder movable between one work delivery area and the irradiation area, and a second work holder movable between the other work delivery area and the irradiation area.

FIG.1