

### **ABSTRACT**

Introduced is a vehicle production system comprising: a path search unit which calculates multiple possible movement paths of a logistics robot on the basis of a departure point and a destination point of the logistics robot, and stores same; a path analysis unit which derives an alternative path of the logistics robot through movement distances according to the possible movement paths of the logistics robot, stored in the path search unit, or the degree of path overlapping between logistics robots, and stores same; and a path management unit which performs component transfer simulation according to the alternative path from the path analysis unit, and calculates a final path of the logistics robot in consideration of the time required for component transfer.

Fig. 3