

ABSTRACT

HORIZONTAL CONVEYING CARRIAGE

5 Provided is a horizontal conveying carriage that can
flexibly respond to a construction site and has high
stability. The horizontal conveying carriage includes: a
carriage body 12 including a base part 18, and drive wheels
and steering wheels; a forklift 14 picking up/unloading an
10 object to be conveyed from the outside to the base part 18;
an extending and shrinking mechanism 20 extending and
shrinking the forklift 14 in a front-and-rear direction,
and a lifting and lowering mechanism 22 lifting and
lowering the forklift 14 in a vertical direction; a
15 supporting mechanism 38 supporting the forklift 14 from a
lower side; an own position estimation unit estimating an
own position of the carriage body 12; a positional relation
recognition unit 24 recognizing a positional relation
between the own position and the object to be conveyed; and
20 a control unit controlling movement of the carriage body 12
and an operation of the forklift 14.

FIG 1