ABSTRACT

A rail guided vehicle system includes a rail that includes a first main rail 101, a second main rail 102, and a connection rail 105, and vehicles 200. The vehicle includes a diverging roller supporting member 720 that supports a pair of first and second diverging rollers 610 such that the first and second diverging rollers 610 shift, and a position stabilizing roller supporting member 710 that supports position stabilizing rollers 620 such that the position stabilizing rollers 620 do not shift. The rail includes a first diverging guide 110a configured to guide the first diverging roller, a second diverging guide 110b configured to guide the second diverging roller, and a position stabilizing roller guide 120b configured to guide the position stabilizing rollers in the no-guide zone where the diverging guide is absent.

ABSTRACT OF THE DISCLOSURE

RAIL GUIDED VEHICLE SYSTEM

A rail guided vehicle system includes a rail that includes a first main rail, a second main rail, and a connection rail, and vehicles. Each vehicle includes a diverging roller supporting member that supports a pair of first and second diverging rollers such that the first and second diverging rollers shift, and a position stabilizing roller supporting member that supports position stabilizing rollers such that the position stabilizing rollers do not shift. The rail includes a first diverging guide configured to guide the first diverging roller, a second diverging guide configured to guide the second diverging roller, and a position stabilizing roller guide configured to guide the position stabilizing rollers in the no-guide zone where the diverging guide is absent.