

Conveyor Apparatus

ABSTRACT

There is provided a conveyor apparatus free of pulsing motion in circulating chains to provide a comfortable ride quality on steps.

A conveyor apparatus 1 includes a step guide rail 3 , a plurality of steps 5, a step chain 4, and a chain driving mechanism 10 for driving the step chain 4. The chain driving mechanism 10 includes a rotating and driving unit 11, a driving sprocket 12 which is rotated by a driving force given by the rotating and driving unit 11, and circulating chain 13 for giving a thrust to the step chain 4. The circulating chain 13 has chain links 13a and hinges 13b to be connected to the adjacent chain links 13a. The chain link 13a includes a placing surface 13c on which the step roller 4b is placed, and pressing surfaces 13d and 13d that are in contact with step rollers 4b.

Fig 1