

ABSTRACT

Embodiments of the present invention disclose a recess structure for reinforcing a connection between a sleeper and a track bed, the recess structure being used in a ballastless track to reinforce the connection between a prefabricated sleeper unit and a subsequently-placed track bed. A reinforcing member is provided at one or more sidewalls in a transverse direction of the sleeper, that is, in a longitudinal direction of the track. The reinforcing member is a recess recessed inward from the sidewalls of the sleeper, such that during a pouring and placing process of the track bed, the recess and a certain height of the sleeper are buried in concrete of the track bed and integrated with the same by means of concrete pouring, the concrete directly filling the recess so as to reinforce the connection between the sleeper and the track bed.

[Figure 2]