# Elevated Track System

The invention relates to an elevated track system with elevated tracks running above ground level.

Ground-based traffic networks are increasingly reaching their limits in strongly growing urban centres due to the continuously increasing traffic volume. In order to reduce the burden on the traffic network and to create an independent traffic level, underground railways or subways are built in many residential areas, but, unfortunately, these are associated with immense costs. Moreover, the construction of railway systems in the underground of existing urban centres is associated with an enormous expenditure of time and with technical difficulties. Consequently, above all in development areas there is a great need of alternative traffic concepts by means of which the burden on existing traffic networks can be reduced and efficient new traffic systems can be established. There has already been proposed a wide variety of forms of elevated track systems which in practice, however, have not yet led to satisfactory traffic solutions.

Moreover, in prior art there are known conventional, ground-based road networks which are formed with crossovers, flyovers or bridges at the junctions in order to enable a free flow of traffic. Such crossing systems are, however, a part of the existing traffic systems and, thus, cannot achieve a sufficient ease of the traffic burden. Examples for such road systems are shown in CN 10218062 A and WO 2007/028307 A1.

WO 2008/02501 A1 provides an overhead low-speed road, which is set above ground lanes for automotive vehicles, the low-speed road having a single layer and a sky-shelter for forming a road for all weather.

Therefore, the invention has the object to create an elevated track system of the above-mentioned kind, by means of which an efficient traffic network independent of the ground-based traffic is provided, by which it is possible to travel over longer distances quickly and unimpeded.

In accordance with the invention, the elevated tracks comprise transit routes crossing one another and running one above the other at the crossing areas, and circulating transfer routes surrounded by transit route sections between the crossing areas, wherein the transit route sections are connected to the circulating transfer routes along transfer areas.

Accordingly, the inventive elevated track system comprises at least two different kinds of elevated tracks. On the one

Claims

1. An elevated track system (1) with elevated tracks (2) running above ground level, characterized in that the elevated tracks (3) have transit routes (4) crossing one another, running one above the other at the crossing areas (7), and circulating transfer routes (8) surrounded by transit route sections (9) between the crossing areas (7), wherein the transit route sections (9) are connected to the circulating transfer routes (8) along transfer areas (11).

2. The elevated track system (1) according to claim 1, characterized in that the transfer route (8) is surrounded by transit route sections (9) between adjacent crossing areas (7).

3. The elevated track system according to claim 1 or 2, characterized in that the transfer route (8) is surrounded by substantially straight running transit route sections (9).

4. The elevated track system according to anyone of claims 1 to 3, characterized in that the transfer route (8) is surrounded by four transit route sections (9).

5. The elevated track system according to anyone of claims 1 to 4, characterized in that the transfer route (8) is surrounded by transit route sections (9) running substantially at right angles to one another.

6. The elevated track system according to anyone of claims 1 to 5, characterized in that, at least in the transfer areas (11), the transit route sections (9) run substantially in parallel to the transfer route (8).

7. The elevated track system according to anyone of claims 1 to 6, characterized in that each transit route section (9)

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