Claims

1. A turnout arrangement of a slab track with a ballastless superstructure for forming a main track (1) and a branch track (2), which branches off from the main track (1), for railway traffic, comprising:
   - a plurality of prefabricated turnout bases (3) of reinforced concrete, in particular untensioned reinforced concrete,
   - a casting compound (5), which is cast and hardened between the aligned turnout bases (3) and a ground (4),
   - a plurality of fastening areas (6), in particular rail support points (7), which are provided on the turnout bases (3) for the rail fastening of the main track (1) and the branch track (2) as well as for fastening further turnout components,
   - wherein the turnout bases (3) of the turnout arrangement are elastically supported,
   - wherein at least one positive-locking arrangement (9) is provided per turnout base (3) for positively holding the turnout base (3) horizontally with respect to the casting compound (5), wherein the positive-locking arrangement (9) comprises two positive-locking elements (10, 11), which are in positive active contact with one another, wherein one positive-locking element (10) of the positive-locking arrangement (9) is an opening (12) kept free in the turnout base (3) and in particular a casting opening, and wherein the other positive-locking element (11) is a projection (13) of the hardened casting compound (5) extending into this opening (12),
   - wherein the projections (13) and the openings (12) are designed in such a way that the total area of the cross-sections of the projections (13) is dimensioned in such a way that the introduced horizontal shear forces are below the maximum permissible load limit of the base (3) and the projections (13),
   - wherein an elastic layer (8) is provided between the projection (13) and the turnout base (3).

2. The turnout arrangement according to claim 1, characterized in that the turnout bases (3) of the turnout arrangement are elastically supported individually, and in particular supported or mounted free of constraint forces.

3. The turnout arrangement according to claim 1 or 2, characterized
   - in that the turnout bases (3) are elastically supported horizontally with respect to the ground (4) and in particular transverse to the course of the track,
   - and/or in that the turnout bases (3) are elastically supported horizontally with respect to each other and in particular transverse to the course of the track,

- and/or in that a gap is kept free between each of the turnout bases (3), the elastic support with respect to one another being provided by the elastic support with respect to the ground.

4. The turnout arrangement according to one of the preceding claims, characterized in that the turnout bases (3) are elastically supported in the vertical direction.

5. The turnout arrangement according to one of the preceding claims, characterized in that an elastic layer (8), which is optionally formed in several parts, is arranged between the turnout bases (3) and the casting compound (5) for the elastic support and in particular for the elastic decoupling of the turnout bases (3).

6. The turnout arrangement according to one of the preceding claims, characterized in that one or the elastic layer (8) is arranged between each of the two positive-locking elements (10, 11) of the positive-locking arrangement (9) for the horizontal elastic support and in particular for the elastic decoupling of the turnout base (3).

7. The turnout arrangement according to one of the preceding claims, characterized
   - in that at least one positive-locking arrangement (9) is provided per turnout base (3) for positively holding the turnout base (3) vertically with respect to the casting compound (5),
   - in that the positive-locking arrangement (9) comprises two positive-locking elements (10, 11), which are in positive active contact with one another,
   - and in that one or the elastic layer (8) is arranged between each of the two positive-locking elements (10, 11) of the positive-locking arrangement (9) for the vertical elastic support and in particular for the elastic decoupling of the turnout base (3).

8. The turnout arrangement according to any of claims 1 to 7, characterized
   - in that the positive-locking element (11) formed as a projection (13) has an undercut (14) and, in particular, a region located at the top projects beyond a region located further down in the horizontal direction or is designed to widen towards the top,
   - in that a part of the turnout base (3) extends into the undercut (14) of the projection (13) so that a vertical positive connection is formed.

9. The turnout arrangement according to any of claims 1 to 8, characterized in that two openings (12) are provided per turnout base (3), into each of which extends a projection (13) of the hardened casting compound (5).

10. The turnout arrangement according to one of claims 1 to 9, characterized in that the smallest overall cross section of the projections (13) extending into a turnout base (3) is bigger than the cross section which, taking into account the strength of the casting compound (5), is sufficient to absorb the horizontal forces, in particular the transverse forces and/or longitudinal forces introduced by a rail vehicle, without damage.

11. The turnout arrangement according to one of the preceding claims, characterized
    - in that the turnout bases (3), in particular all turnout bases (3) of the turnout arrangement, are of a rectangular design and have a greater dimension in the transverse direction of the course of the track that in the longitudinal direction of the course of the track,
    - and in particular in that the smaller dimension of the turnout bases (3) is less than or equal to 2.6 m.

12. The turnout arrangement according to one of the preceding claims, characterized in that the turnout bases (3), in particular all turnout bases (3) of the turnout arrangement, each extend continuously over the entire width of the turnout and comprise or form fastening areas (6) for the main track (1) and for the branch track (2) at least after the frog (15) of the turnout.

13. The turnout arrangement according to one of the preceding claims, characterized in that the elastic layer (8) of a turnout base (3) has other elasticity characteristics, in particular a different stiffness and/or a different shear modulus, than the elastic layer (8) of another turnout base (3). in particular than the elastic layer (8) of an adjacent turnout base (3).

14. A **track arrangement**, comprising a turnout arrangement according to one of the preceding claims and a plurality of tracks (17) adjoining the junctions (16) of the turnout arrangement,
    - wherein the tracks (17) are configured as slab track with a ballastless superstructure and comprise the following components:
    - a plurality of prefabricated track bases (18) of reinforced concrete, in particular untensioned reinforced concrete,
    - a casting compound (5), which is cast and hardened between the aligned track bases (18) and the ground (4),
    - a plurality of fastening areas (6), in particular rail support points (7), which are provided on the track bases (18) for the rail fastening of the tracks (1), the track bases (18) being elastically supported.

15. The track arrangement according to claim 14, characterized in that an elastic layer (8), which is optionally formed in several parts, is arranged between the track bases (18) and the casting compound (5) for the elastic support and in particular for the elastic decoupling of the track bases (18).

16. The track arrangement according to claim 14 or 15, characterized in that the elastic layer (8) of a turnout base (3) has other elasticity characteristics, in particular a different stiffness and/or a different shear modulus, than the elastic layer (8) of a or an adjacent track base (18).