Claims

1. Suspension device (1), configured to connect a chassis (2) to an axle (3) of a vehicle (V), the axle (3) supporting one or more wheels (30) by means of mounting means (303), the suspension device (1) including:

- at least one support arm (5), a first end of which (50) is made integral in the embedded manner with the chassis (2), the axle (3) being in turn integrally attached to the second end (51) of the support arm (5).;

- elastic means for restoring (4) in compression between a bearing point (21) of the chassis (2) and the axle (3), and interposed between the support arm (5) and the bearing point (21) of the chassis (2);

wherein each support arm (5) includes a set-back (53) in its longitudinal direction configured to free up a space (E) permitting a maximum steering angle of a wheel (30) attached to the corresponding axle (3).

2. Suspension device (1) according to claim 1, wherein the elastic restoring means (4) include at least one elastic block made of rubber.

3. Suspension device (1) according to claim 2, wherein the elastic restoring means (4) include dampers (6) complementary to the at least one elastic block.

4. Suspension device (1) according to one of the preceding claims, wherein the suspension device (1) includes two support arms (5) made integral with the same chassis (2) and resting on the same axle (3).

5. Suspension device (1) according to claim 4, wherein the two support arms (5) are configured so that, at rest, these support arms (5) are parallel to each other.

6. Suspension device (1) according to claim 4 or claim 5, wherein the two support arms (5) attached, on the one hand, to the same chassis (2), and on the other hand, to the same axle (3) have an X configuration, i.e. a junction (55) connects the two support arms

(5), said junction (55) occurring between the first and second ends (50, 51) of the support arms (5).

7. Suspension device (1) according to one of the preceding claims, wherein the support arm or arms (5) is or are attached, on the one hand, to a chassis (2), and on the other hand, to at least two successive axles (3), namely in the case of a double-axle configuration.

8. Vehicle (V) including a chassis (2), at least one axle (3), wherein it includes at least one suspension device (1) according to one of the preceding claims.