CLAIMS

1. A vehicle (100) comprising ground-running means (13) and a chassis, wherein said chassis in its central part comprises a housing intended to accept, vertically, at least one modular interchangeable power-generating device (1), said device being in the form of a parallelepipedal closed unit constructed around an all-welded structure of a bottom, two lateral panels and two longitudinal panels, and comprising:

- guide means (2) designed to be able to collaborate with complementary guide means (200) that the housing of said vehicle (100) comprises;
- locking means (6) designed to be able to collaborate with complementary locking means (600) that the housing of said vehicle (100) comprises; and
- at least powering means (7) designed to be able to supply all or some of the motive power of said vehicle (100) to drive said running means; and
- drive means (12) designed to be able to drive ground-running means (13) such as wheels or tracks.

2. The vehicle as claimed in claim 1, characterized in that said modular device (1) is designed to be able to drive the ground-running means (13) that said vehicle (100) comprises.

3. The vehicle as claimed in either one of the preceding claims, characterized in that the powering means (7) comprise at least one combustion engine (11) specified in terms of power and in terms of torque according to the load that said vehicle (100) is to transport and according to the mission profile of said vehicle.

4. The vehicle as claimed in any one of the preceding claims, characterized in that said modular device (1) comprises power conversion means (8) designed to be

able to convert the mechanical power produced by the combustion power:

- from mechanical power into electrical power, and/or
- from mechanical power into pneumatic power, and/or
- from mechanical power into hydraulic power, and/or
- from hydraulic power into electrical power or alternatively, and/or
- from hydraulic power into pneumatic power.

5. The vehicle as claimed in the preceding claim 3, characterized in that said modular device (1) comprises energy storage means (14) to supply at least said powering means (7) with alternative power.

6. The vehicle as claimed in any one of the preceding claims, characterized in that said modular device (1) comprises regulating means (15) designed to be able to regulate at least said powering means (7).

7. The vehicle as claimed in the preceding claim, characterized in that said modular device (1) comprises control means (16) designed to be able to act on said regulating means (15) to control the powering means (7) and/or the conversion means (8), and/or the driving means (12) and/or the energy storage means (14).

8. The vehicle as claimed in claim 7, characterized in that the modular device (1) comprises management means (18) designed to be able to operate said regulating means (15) and/or the control means (16) for controlling the powering means (7) and/or the

conversion means (8) and/or the drive means (12) and/or the energy storage means (14).

9. The vehicle as claimed in any one of the preceding claims, characterized in that the modular device (1) comprises the powering means (7), the conversion means (8), the drive means (12) and the energy storage means (14).

CLAIMS

1. A vehicle (100) comprising ground-running means (13) and a chassis, wherein said chassis is formed of at least two parallel longitudinal beams and at least two cross-beams perpendicular to said longitudinal beams and connecting them to each other, said chassis further comprises a platform designed to be able to receive loads, said platform resting on said longitudinal beams said chassis in its central part further comprises a housing intended to accept, vertically, at least one modular interchangeable power-generating device (1), said device being in the form of a parallelepipedic unit around an all-welded structure of a bottom, two lateral panels and two longitudinal panels, and comprising:

- guide means (2) designed to be able to collaborate with complementary guide means (200) that the housing of said vehicle (100) comprises;

- locking means (6) designed to be able to collaborate with complementary locking means (600) that the housing of said vehicle (100) comprises;

- at least powering means (7) designed to be able to supply all or some of the motive power of said vehicle (100) to drive said ground-running means (13); and

- drive means (12) designed to be able to drive said ground-running means (13) such as wheels or tracks,

- said housing is formed of one or more cut-outs within said platform, said cut-outs having a parallelepipedic shape complementary to the form of one or more modules t oba able to to install into said housing one or more modules 1, when a module is inside said housing, said module does not protrude, in height, out of the housing, in order not to occupy space useful for receiving a load onto said platform.

2. The vehicle as claimed in claim 1, wherein said modular device (1) is designed to be able to drive the ground-running means (13) that said vehicle (100) comprises.

3. The vehicle as claimed in claim 1, wherein the powering means (7) comprise at least one combustion engine (11) specified in terms of power and in terms of torque according to the load that said vehicle (100) is to transport and according to the mission profile of said vehicle (100).

4. The vehicle as claimed in claim 1, wherein said modular device (1) comprises power conversion means (8) designed to be able to convert the mechanical power produced by the combustion power:

- from mechanical power into electric power, or/and
- from mechanical power into pneumatic power, or/and
- from mechanical power into hydraulic power, or/and
- from hydraulic power into electric power, or even from hydraulic power into pneumatic power.

5. The vehicle as claimed in claim 3, wherein said modular device (1) comprises energy storage means (14) to supply at least said powering means (7) with alternative power.

6. The vehicle as claimed in claim 5, wherein said modular device (1) comprises regulating means (15) designed to be able to regulate at least said powering means (7).

7. The vehicle as claimed in claim 6, wherein said modular device (1) comprises control means (16) designed to be able to act on said regulating means (15) to control the powering means (7) and/or the conversion means (8), and/or the driving means (12) and/or the energy storage means (14).

8. The vehicle as claimed in claim 7, wherein the modular device (1) comprises management means (18) designed to be able to operate said regulating means (15) and/or the control means (16) for controlling the powering means (7) and/or the conversion means (8), and/or the drive means (12) and/or the energy storage means (14).

9. The vehicle as claimed in claim 1, wherein the modular device (1) comprises the powering means (7), the conversion means (8), the drive means (12) and the energy storage means (14).