

Title (en)  
MOTORCYCLE

Title (de)  
MOTORRAD

Title (fr)  
MOTOCYCLE

Publication  
**EP 1075409 A2 20010214 (EN)**

Application  
**EP 99922860 A 19990506**

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Abstract (en)  
[origin: WO9956997A2] The present invention is directed towards a motorcycle for off-road use with an improved engine, frame, and fuel tank. The frame in one embodiment includes a movable engine frame below the main frame which is pivotally attached to the main frame at one end and detachably attached to the main frame at the other end. The engine frame supports the engine thereon and allows access to the engine when the engine frame is detached from the main frame. It also allows the engine frame to support the engine during inspection. In another embodiment, the frame includes a swing arm pivotally attached to the main frame, a shock that is pivotally attached to the main frame and the swing arm. The shock has a angle of less than 45 degrees with respect to a horizontal plane. The fuel tank includes hollow portions that form a tank body having a u-shape with a sidewardly extending cavity. The cavity receives an air filter therein that is coupled to the engine. Thus, the air filter is accessible when the tank is in position on the frame for easy inspection and changing. The engine is an improved four-stroke engine with electronically controlled fuel injectors.

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