

On-road energy conversion and vibration absorber apparatus**Abstract of the disclosure**

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An on-road energy conversion and vibration absorber apparatus receives the kinetic energy from moving vehicles and pedestrians when being weighed down, and converts the received kinetic energy into a potential energy using a restorable elastic element compressing a fluid thereby storing the potential energy in a pressure chamber, and then conducting the pressurized fluid to pass through a check valve along a conduit and drive a vane wheel by releasing its potential energy. The vane wheel in turn drives a generator to generate electric energy, and the vibration of the vehicles is alleviated by cushion effect provided by the apparatus.

15 Fig. 7