ECOSPACE - AUTOMOTIVE STORED-POWER AIR-CONDITIONING SYSTEM

ABSTRACT

The invention relates to an automobile airconditoning system ("SPAC System") that operates irrespetive of whether the automobile engine is running or not. The SPAC System concept utilises stored energy derived from the automobile engine's kinetic energy which if otherwise not captured is lost. In the SPAC System, the aircondition system (for chilled or heated air) is driven by means of an electric motor in the absence of engine power, producing chilled air or heating element producing heated air. The energy to run the electric motor or heating element is generated and stored in wet/dry cell battery modules when the automobile engine is running. The system comprises (1) a compressor (being dual driven independently either by an electric motor or the automobile engine) or a twin flywheel attachment (to the existing automobile compressor), (2) a transmitter, (3) an electric motor (4) controller module, (5) remote commander, (6) hour pack modules (HPM) (comprising wet/dry battery packs) (7) alternator, (8) HPM rack and (9) engine run sensor. The SPAC system works in conjunction with the existing airconditioning system of the automobile, which may incorporated heating facility.