ABSTRACT

ELECTRIC VEHICLE THERMAL MANAGEMENT SYSTEM, BATTERY THERMAL MANAGEMENT METHOD AND ELECTRIC VEHICLE

Disclosed are an electric vehicle thermal management system, a battery thermal management method and an electric vehicle. The electric vehicle thermal management system comprises a first loop (100), a second loop (200), a first temperature control mechanism (300), a second temperature control mechanism (400), a conveying mechanism (500) and a release mechanism (600), wherein the first loop (100) transmits a first heat conducting agent; a battery (700) and the first temperature control mechanism (300) are respectively connected to the first loop (100); the second loop (200) transmits a second heat conducting agent; the second temperature control mechanism (400) and a driving motor (800) are respectively connected to the second loop (200); the conveying mechanism (500) is respectively connected to the first loop (100) and the second loop (200); and the release mechanism (600) is connected to the first loop (100), such that a battery fire disaster is effectively prevented from occurring, and the safety of the vehicle is improved.

Figure 1