

SOLID-STATE BATTERY

ABSTRACT

A solid-state battery comprising a cathode, an anode and a solid electrolyte is provided. In one embodiment, the cathode, anode and/or solid electrolyte is formed from a printable lithium composition including lithium metal powder, a polymer binder compatible with the lithium metal powder, a rheology modifier compatible with the lithium metal powder, and a solvent compatible with the lithium metal powder and with the polymer binder. In another embodiment, lithium is deposited onto the solid electrolyte with a lithium printable lithium composition including lithium metal powder, a polymer binder compatible with the lithium metal powder, a rheology modifier compatible with the lithium metal powder, and a solvent compatible with the lithium metal powder and with the polymer binder.

Figure for publication: None