

ABSTRACT

A cooling system for a superconducting current limiter according to an embodiment includes a condenser disposed in a gas phase portion of a refrigerant tank or a space
5 communicating with the gas phase portion, the refrigerant tank storing a first refrigerant for cooling a superconducting current limiting element, and a liquid return channel for returning a condensate liquid liquefied by the condenser to a liquid phase portion of the refrigerant tank.