

## ABSTRACT

The present disclosure provides a radiative cooling functional coating material and application thereof. The radiative cooling functional coating material can be configured for manufacturing a radiative cooling functional layer. The radiative cooling functional layer can be configured for reflecting ultraviolet light and/or visible light and/or near-infrared light in sunlight and emitting heat through an atmospheric window in a form of infrared radiation. The radiative cooling functional coating material can include a granular filler and a radiative cooling functional resin, and the granular filler can be distributed in the radiative cooling functional resin.

Figure 4A