

ABSTRACT

The present disclosure provides a solar reflecting film and a preparation method thereof. The solar reflecting film includes a substrate and a functional layer stacked on each other. The functional layer includes a first reflecting layer, a barrier layer, and a second reflecting layer stacked on the substrate in order. The barrier layer includes a first barrier layer and a second barrier layer stacked on the first barrier layer. The first barrier layer is metal fluoride, inorganic non-metallic oxide, metal oxide or a combination thereof. The second barrier layer is metal oxides, metal nitrides, semiconductor doped compounds or a combination thereof. And a material of the first barrier layer is at least partially different from that of the second barrier layer.

Figure 1