transparent substance whose refractive index differs from that of the transparent medium.

SUMMARY OF THE INVENTION

It is an object of the invention to at least partially overcome the disadvantages of the prior art.

According to a first aspect of the invention there is provided a light-emitting device comprising

- an organic light-emitting diode structure,
- an encapsulation comprising a light-transmitting window with at least a first inorganic layer, an organic layer and a second inorganic layer, the organic layer comprising domains of a dispersed first organic component embedded by a second organic component, the first organic component and the second organic component having a mutually different refractive index, the organic layer being sandwiched between the first and the second inorganic layer, the organic layer being applied at the first inorganic layer and the second inorganic layer being applied at the organic layer.

According to a second aspect of the invention there is provided a method for manufacturing a light-emitting device, comprising the steps of

- providing a light-emitting structure,
- providing an encapsulation comprising the step of providing a light-transmitting window by
  - providing at least a first inorganic layer,
  - providing an organic layer at the first inorganic layer, the organic layer being composed of at least a first and a second organic component having a mutually different refractive index, wherein the at least first component is dispersed as domains that are embedded by the at least second component in the composite organic layer,
  - curing the organic layer and
  - providing a second inorganic layer at the organic layer.

The device and method as claimed are non-obvious in view of the following arguments.

As the OLED device known from US2009/0302744 already has a layer with micro-lens portions that is intended to improve light-output efficiency, the skilled