

ABSTRACT OF THE DISCLOSURE

The present invention relates to a heat-insulating multiple glazing and a vacuum multiple glazing. Conventionally, this type of glass does not provide sufficient heat-insulating performance. And, it has been necessary to form the heat-insulating multiple glazing thick, in order to enhance the heat-insulating performance. The present invention comprises a first vacuum multiple glazing (2) including two sheet glasses (3), (4) having peripheries thereof sealed and a plurality of layers of spacer (5) disposed within a gap therebetween, with the gap being depressurized; and a second vacuum multiple glazing (2) or an ordinary sheet glass (10) overlapped with the first multiple glazing (2) with a gap relative thereto and having the periphery thereof sealed with a sealing material (12), with the gap being charged with dry air or rare gas. Thus, it is possible to enhance the heat-insulating performance, without increasing the thickness of the entire heat-insulating multiple glazing.