EXAMPLE

[0050]

Hereinafter, the present invention will be described more specifically with reference to Examples of the present invention and Comparative Examples, but the present invention is not limited to these Examples, and there is no doubt that various modifications can be carried out unless deviating from the technical concept of the present invention.

[0051]

(Example 1)

In the following manner, a quartz glass crucible 130 as shown in FIG. 3 was fabricated. As a raw material powder (raw material powder A) for forming an easily devitrifiable layer 21, a raw material powder including a natural quartz powder having a particle size of 50 to 500 μm doped with Al was prepared. The raw material powder (base raw material powder) before doping with Al was a raw material powder whose devitrification spot number when heated at 1600°C for 24 hours after forming a quartz glass would be 13/cm^3. The doping amount was adjusted by doping this base raw material powder with Al, so that the devitrification spot number when the Al-doped raw material powder was formed into quartz glass and then heated at 1600°C for 24 hours would be 50/cm^3 or more and 70/cm^3 or less.

[0052]

In addition, as a raw material powder for forming a low devitrification layer 22, a raw material powder (raw material powder B) including a natural quartz powder whose devitrification spot number would be 1/cm^3, having a particle size of 50 to 500 μm was prepared. In addition, as a raw material powder for forming an intermediate devitrification layer 23, a raw material powder (raw