

ABSTRACT

The invention provides a crystallization apparatus that includes an agitation tank, a liquid circulation means for circulating a liquid or a slurry along a wall of the agitation tank, and one or more
5 temperature difference creation means capable of creating a temperature difference at the wall of the agitation tank, wherein the temperature difference creation means is installed to the agitation tank. The temperature difference creation means is, for example, arranged at a region where liquid or slurry spouted by rotating the
10 liquid spouting device contacts the wall of the agitation tank or a region below that region, and which increases or decreases the temperature of the spouted liquid or slurry compared to the temperature of surrounding liquid or slurry. Since the apparatus with this configuration has a large vaporization area and a large heat
15 transfer area, the induction period for crystal generation can be shortened, and crystals with narrow size distribution and large size can be obtained. Furthermore, it is possible to obtain a specified crystal form, that is, it is possible to control crystal polymorphism.