

FLAKE ICE PRODUCTION DEVICE, FLAKE ICE PRODUCTION SYSTEM,
FLAKE ICE PRODUCTION METHOD, AND MOVING BODY

ABSTRACT

Provided is a means for easily producing a plurality of types of flake ice each having a different freezing point and approximately uniform solute concentration. There is provided a flake ice production device 10. A drum 11 includes an inner cylinder 22, an outer cylinder 23 surrounding the inner cylinder 22, and a clearance 24 formed between the inner cylinder 22 and the outer cylinder 23. A refrigerant supply unit 29 supplies a refrigerant to the clearance 24. A rotary shaft 12 rotates taking a central axis of the drum 11 as an axis. An injection unit 13 rotates together with the rotary shaft 12 and sprays brine toward the inner peripheral surface of the inner cylinder 22. A scraping unit 14 scrapes off flake ice that is generated as a result of brine having been sprayed from the injection unit 13 becoming attached to the inner peripheral surface of the inner cylinder 22, which has been cooled by the refrigerant supplied to the clearance 24.

[FIG. 1]