

Title (en)
ICE-MAKING APPARATUS

Title (de)
VORRICHTUNG ZUM HERSTELLEN VON EIS

Title (fr)
APPAREIL DE FABRICATION DE GLACE

Publication
EP 2623902 A2 20130807 (EN)

Application
EP 11829547 A 20110927

Priority
• KR 20100094233 A 20100929
• KR 2011007103 W 20110927

Abstract (en)
An ice slurry generator includes: a heat exchanger configured to absorb heat energy while a refrigerant is evaporated; multiple heat exchange passages aligned horizontally within the heat exchanger and configured for heat exchange between flowing ice slurry and refrigerant; an inlet chamber that is connected to the heat exchange passages, through which the ice slurry is introduced; a discharge chamber that is connected to the heat exchange passages, through which the ice slurry is discharged from the ice slurry generator; scrapers, that each consist of a rod member with a blade wrapped in a spiral fashion around the outside of the rod member, that is inserted into the heat exchange passages and transports ice slurry from the inlet chamber toward the discharge chamber during rotation; and a driving unit that provides a rotational driving force to the scraper.

IPC 8 full level
F25C 1/14 (2006.01); **F28D 7/10** (2006.01)

CPC (source: EP US)
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