

Title (en)
ICE MAKING ASSEMBLY AND OPERATING METHOD THEREFOR

Title (de)
EISERZEUGUNGSANLAGE UND BETRIEBSVERFAHREN DAFÜR

Title (fr)
ENSEMBLE DE FABRICATION DE GLACE ET PROCÉDÉ DE FONCTIONNEMENT ASSOCIÉ

Publication
EP 4116645 A4 20230802 (EN)

Application
EP 21765258 A 20210223

Priority
• US 202016808514 A 20200304
• CN 2021077331 W 20210223

Abstract (en)
[origin: US2021278117A1] An ice making assembly includes a central hub rotatably mounted within a chilled chamber. A mold assembly is attached to the central hub and includes an ice mold that is pivotally coupled to a yoke and defines a mold cavity for receiving water. A drive mechanism rotates the central hub by accelerating the central hub until the rotation speed reaches a target speed and periodically reducing the rotation speed of the central hub to a reduced speed before accelerating back to the target speed until an ice billet is formed.

IPC 8 full level
F25C 1/18 (2006.01)

CPC (source: EP US)
F25C 1/10 (2013.01 - EP US); **F25C 1/20** (2013.01 - EP); **F25C 5/08** (2013.01 - US); **F25C 2301/00** (2013.01 - US); **F25C 2400/02** (2013.01 - US); **F25C 2600/04** (2013.01 - EP US)

Citation (search report)
• [XAYI] JP 2008196737 A 20080828 - SHARP KK
• [Y] US 3584470 A 19710615 - ZEARFOSS ELMER W JR
• [Y] US 4852359 A 19890801 - MANZOTTI ERMANN J [US]
• [A] US 3309896 A 19670321 - LEONARD JR LOUIS H
• [A] US 2986013 A 19610530 - ZEARFOSS JR ELMER W
• [A] US 3577745 A 19710504 - ZEARFOSS ELMER W JR
• See references of WO 2021175129A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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