

Title (en)
ICE MACHINE

Title (de)
EISMASCHINE

Title (fr)
MACHINE À GLACE

Publication
EP 3894762 A4 20220824 (EN)

Application
EP 19896243 A 20191118

Priority
• KR 20180159935 A 20181212
• KR 2019015744 W 20191118

Abstract (en)
[origin: WO2020122443A1] The present disclosure provides an ice machine including a cabinet, a tray disposed inside the cabinet, wherein ice is formed on the tray, a nozzle disposed below the tray and spraying water toward the tray, a storage tank for storing the water to be supplied to the nozzle therein, a water-level sensor disposed in the storage tank, a pump connected to the nozzle by a guide pipe and supplying the water stored in the storage tank to the nozzle, a supply pipe for supplying water to the tray, a water supply valve disposed on the supply pipe, and a controller that opens and closes a flow path of the water supply valve based on a water-level measured by the water-level sensor.

IPC 8 full level
F25C 1/25 (2018.01); **F25C 1/04** (2018.01); **F25C 1/18** (2006.01)

CPC (source: EP KR US)
F25C 1/045 (2013.01 - EP); **F25C 1/18** (2013.01 - KR US); **F25C 1/25** (2018.01 - EP KR US); **F25C 2400/14** (2013.01 - EP); **F25C 2600/04** (2013.01 - KR US); **F25C 2700/04** (2013.01 - EP KR US)

Citation (search report)
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• [A] US 2007079627 A1 20070412 - BROADBENT JOHN A [US], et al
• [A] KR 900008727 U 19900503
• [A] JP S54143950 A 19791109 - HOSHIZAKI ELECTRIC CO LTD
• See also references of WO 2020122443A1

Designated contracting state (EPC)
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WO 2020122443 A1 20200618; CN 113167523 A 20210723; EP 3894762 A1 20211020; EP 3894762 A4 20220824; KR 20200072122 A 20200622; US 2022090836 A1 20220324

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KR 2019015744 W 20191118; CN 201980081644 A 20191118; EP 19896243 A 20191118; KR 20180159935 A 20181212; US 201917299112 A 20191118