

Title (en)

A SNOW MAKING DEVICE AND A SYSTEM AND METHOD FOR PRODUCING ARTIFICIAL SNOW

Title (de)

SCHNEEHERSTELLUNGSVORRICHTUNG UND -SYSTEM UND -VERFAHREN ZUR ERZEUGUNG VON KÜNSTLICHEM SCHNEE

Title (fr)

DISPOSITIF ET SYSTÈME DE FABRICATION DE NEIGE ET PROCÉDÉ DE PRODUCTION DE NEIGE ARTIFICIELLE

Publication

EP 3480538 A1 20190508 (EN)

Application

EP 17199839 A 20171103

Priority

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Abstract (en)

A snow making device comprising: a main channel (102) which is arranged to receive and to guide water, and which has a first portion (104), a second portion (106) downstream of the first portion (104), and a third portion (208) downstream of the second portion (106), wherein the second portion (106) presents a constriction (112) with a reduced cross-section compared to the first portion (104) and the third portion (208) for creating a reduced water pressure at the constriction (112); at least one diversion channel (122) which has an inlet (120) connected to the main channel (102) at the constriction (112) of the second portion (106) and is arranged to divert part of the water from the main channel (102) as a diverted water flow of reduced pressure; and at least one ice nucleator nozzle (150) which is arranged to create ice nuclei from said diverted water flow and compressed air.

IPC 8 full level

F25C 3/04 (2006.01)

CPC (source: EP)

F25C 3/04 (2013.01); **F25C 2303/0481** (2013.01); **F25C 2500/02** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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