

Title (en)
Artificial snow production system and method for producing artificial snow

Title (de)
Beschneigungssystem und Verfahren zum Erzeugen von künstlichem Schnee

Title (fr)
Système d'enneigement et procédé de production de neige artificielle

Publication
EP 2249107 A1 20101110 (DE)

Application
EP 09159428 A 20090505

Priority
EP 09159428 A 20090505

Abstract (en)
The system (1) has a water jet-gas compressor (2) in which water (W1) is introduced as driving medium in the form of propulsion jet under pressure in a suction chamber. Air (L1) is sucked into the water jet-gas compressor over an air suction opening. A separation arrangement (3) separates water-air-mixture (M) from the water jet-gas compressor, and a snow device (4) i.e. snow cannon, produces artificial snow. The arrangement is connected with the snow device, such that water (W2) and air (L2) from the arrangement is separately supplied to the snow device. An independent claim is also included for a method for producing artificial snow.

Abstract (de)
Ein Beschneigungssystem enthält eine Einheit (10) mit einem Wasserstrahl-Gasverdichter (2), in den Wasser (W1) als Treibmedium unter Druck in eine Ansaugkammer (7) in Form eines Treibstrahls einleitbar ist und in den Luft (L1) ansaugbar ist. Die Einheit weist weiter eine Trennanordnung (3) zum Trennen des Wasser-Luft-Gemisches (M) aus dem Wasserstrahl-Gasverdichter in Form einer Trennkammer auf, wodurch Wasser (W2) und Luft (L2) aus der Trennanordnung separat einer Schneilanze (4) zum Erzeugen von künstlichem Schnee zuführbar sind.

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 (applicant)

- WO 03054460 A1 20030703 - NIVIS GMBH SRL [IT], et al
- EP 2008058863 W 20080708

Citation (search report)

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- [DY] EP 1456588 A1 20040915 - NIVIS GMBH SRL [IT]
- [A] US 3464625 A 19690902 - CARLSSON OSTEN
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- [A] JP H08240367 A 19960917 - NISHIHARA ENV SAN RES CO LTD
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Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2249107 A1 20101110; EP 2427704 A1 20120314; WO 2010128036 A1 20101111

DOCDB simple family (application)
EP 09159428 A 20090505; EP 10715892 A 20100504; EP 2010056018 W 20100504