

Title (en)  
Snow storage

Title (de)  
Schneeraum

Title (fr)  
Stockage de neige

Publication  
**EP 1653172 A3 20080123 (DE)**

Application  
**EP 05020545 A 20050921**

Priority  
• DE 202004016505 U 20041026  
• DE 202005006569 U 20050423

Abstract (en)  
[origin: EP1653172A2] The chamber has an enclosure (3) surrounding an inner region (2) and a snowmaking device (6) at a cover area of the region. The device consists of a housing (7) and a spray nozzle (9) within the housing, where chilled air and water under are applied to the nozzle using an arrangement (10). The nozzle is so constructed that the size of water droplets in the air sprayed from the chamber is between 20-150 microns. The arrangement supplies water with a temperature over the freezing point at the nozzle, and a snowy air with a temperature to the snowmaking device, where the temperature of snowy air is around 10-12 degree Celsius and under the water temperature at the nozzle.

IPC 8 full level  
**F25C 3/04** (2006.01)

CPC (source: EP)  
**F25C 3/04** (2013.01); **F25C 2303/0481** (2013.01)

Citation (search report)  
• [XY] JP H0972643 A 19970318 - OKAWA TAKAAKI  
• [Y] JP H02306075 A 19901219 - TOYO SEISAKUSHO KK  
• [X] WO 0034722 A1 20000615 - ACER SNOWMEC LTD [GB], et al  
• [X] JP H02136662 A 19900525 - HITACHI LTD  
• [X] US 4798331 A 19890117 - SUGA NAGAICHI [JP]  
• [X] US 5102044 A 19920407 - INOUE MASANORI [JP], et al  
• [A] US 3760598 A 19730925 - JAKOB F, et al  
• [A] US 5445320 A 19950829 - BERTHELIER JEAN M F [FR]  
• [A] JP H0755307 A 19950303 - NIPPON KOKAN KK  
• [A] WO 9917067 A1 19990408 - GRAAF JAN DOUWE DE [NL]  
• [A] NL 1007219 C2 19990408 - GRASSO INTERNATIONAL B V [NL]  
• [A] JP H02183783 A 19900718 - NIPPON KOKAN KK  
• [A] DE 3836172 A1 19900426 - DOERING KARL L DR ING [DE]  
• [A] EP 0246179 A2 19871119 - THESEN HERBERT  
• [A] DE 4106419 A1 19910829 - NIPPON KOKAN KK [JP]

Cited by  
WO2015097592A1; ITVR20130292A1; EP1898165A3

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1653172 A2 20060503; EP 1653172 A3 20080123; EP 1653172 B1 20110720**; AT E517298 T1 20110815; DE 202005006569 U1 20060309

DOCDB simple family (application)  
**EP 05020545 A 20050921**; AT 05020545 T 20050921; DE 202005006569 U 20050423