

Title (en)
SNOWMAKER

Title (de)
SCHNEEKANONE

Title (fr)
CANON A NEIGE

Publication
EP 1114287 B1 20020703 (FR)

Application
EP 99946082 A 19990831

Priority
• EP 9906421 W 19990831
• FR 9811462 A 19980911

Abstract (en)
[origin: WO0016026A1] The invention concerns a snowmaker including a hollow body (1) comprising a mixing and expansion chamber (2) defined by a peripheral wall (3) and communicating with outside through a ring-shaped coaxial outlet (4) around a central core (26). Water is introduced under pressure into the mixing and expansion chamber (2) through a plurality of helical ducts (6, 7) peripherally distributed about the longitudinal axis (I-I) to inject water along the peripheral wall (3) with a rotating motion. The pressurised air is introduced in the mixing and expansion chamber (2) in a central zone in one or several jets directed obliquely towards the peripheral wall (3) through a plurality of divergent air passages (11, 12). Such a snowmaker structure enables to produce quality snow from water and air at a lower pressure than in known snowmaker structures.

IPC 1-7
F25C 3/04

IPC 8 full level
B05B 1/26 (2006.01); **B05B 7/04** (2006.01); **B05B 7/10** (2006.01); **F25C 3/04** (2006.01)

CPC (source: EP)
B05B 1/06 (2013.01); **B05B 1/265** (2013.01); **B05B 7/0433** (2013.01); **B05B 7/10** (2013.01); **F25C 3/04** (2013.01); **F25C 2303/0481** (2013.01)

Cited by
CN102019242A; EP3081884A1; ITMI20150534A1

Designated contracting state (EPC)
AT CH DE ES FR IT LI

DOCDB simple family (publication)
WO 0016026 A1 20000323; AT E220193 T1 20020715; DE 69902048 D1 20020808; EP 1114287 A1 20010711; EP 1114287 B1 20020703; FR 2783310 A1 20000317; FR 2783310 B1 20001013

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