

Title (en)  
SNOWMAKER

Title (de)  
SCHNEEKANONE

Title (fr)  
CANON A NEIGE

Publication  
**EP 1114287 B1 20020703 (FR)**

Application  
**EP 99946082 A 19990831**

Priority  
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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.

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IPC 8 full level  
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