

Title (en)  
SNOW MAKING MACHINE

Publication  
**EP 0089590 B1 19861230 (EN)**

Application  
**EP 83102459 A 19830312**

Priority  
US 36061082 A 19820322

Abstract (en)  
[origin: EP0089590A1] The apparatus utilizes water and compressed air supplies (40,41) conventionally provided at the site, and receives its motive power through a water turbine, (27) which extracts a fraction of the energy available in the pressurized water supply (31) by first passing the water through the turbine motor (27) driving an axial fan (25). The water exiting from the turbine (27) is then mixed with compressed air in a plurality of nozzles (34) and discharged into the air stream created by the turbine-driven axial fan (25). The equipment makes possible the production of large volumes of high quality snow with greatly reduced requirements for compressed air utilization.

IPC 1-7  
**F25C 3/04**

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

CPC (source: EP)  
**F25C 3/04** (2013.01); **F25C 2303/046** (2013.01); **F25C 2303/0481** (2013.01)

Cited by  
US4828175A; CN114251887A; EP0206705A1; US5180106A; EP3940318A1; FR3112596A1; US6378778B1; US6508412B1; WO9963286A1; WO9940381A1; WO9209857A1

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**EP 83102459 A 19830312**; AT 83102459 T 19830312; AU 1253483 A 19830317; DE 3368757 T 19830312; JP 4613283 A 19830322; NO 830982 A 19830321; NZ 20364083 A 19830321