

Title (en)
HYDRAULIC DEVICE FOR GENERATING SNOW

Title (de)
HYDRAULIKVORRICHTUNG FÜR DIE ERZEUGUNG VON SCHNEE

Title (fr)
DISPOSITIF HYDRAULIQUE POUR LA PRODUCTION DE NEIGE

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Abstract (en)
[origin: WO2013045116A2] The invention relates to a method, in particular for generating snow from water, using a low-pressure hydraulic device having a pump unit, to which a purification system is connected, and a distribution device having at least one high-pressure pump, to which a high-pressure unit having a snow cannon and/or a different snow-generating unit is connected. In order for the bonding of the water molecules in the molecular water structure of the process water to change and the generation of snow to improve, according to the invention at least part of the water used is exposed to an ionization field and/or a polarization field while simultaneously being exposed to the effects of an alternating electromagnetic field so that a weaker bonding of the water molecules in the molecular water structure is achieved, resulting in an improvement in the absorption and transfer of heat. The invention further relates to a device for carrying out the method.

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