

Title (en)
Snow gun.

Title (de)
Schneekanone.

Title (fr)
Canon à neige.

Publication
EP 0084186 A1 19830727 (DE)

Application
EP 82200056 A 19820118

Priority
EP 82200056 A 19820118

Abstract (en)
1. Snow gun having a central compressed-air supply line (1) and a pressurized-water supply line surrounding the latter and disposed coaxially therewith, the compressed-air supply line opening out into an interior space of a spray-head (7) at the front, in the direction of the compressed air supply, the space being bounded by a bored endpiece (8) and serving as a preexpansion chamber (9), inner nozzles (4) in the form of bores passing through the outside wall of the compressed-air supply line (1) being provided between the compressed-air supply line (1) and the pressurized-water supply line, through which nozzles the compressed air issues into the pre-expansion chamber (9) and mixes with the pressurized-water, characterized in that the compressed-air supply line (1) has three identical inner nozzles (4), and the endpiece has three centrosymmetrically disposed discharge nozzles (10) of identical diameter, none of which is situated in the geometric axis of the compressed-air supply line (1), and the diameter of a discharge nozzle (10) corresponds to 1 to 3 times the diameter of an inner nozzle (4).

Abstract (de)
Schneekanone mit einer zentralen Druckluftzuleitung (1) und einer diese umgebenden und koaxial zu ihr angeordneten Druckwasserzuleitung, wobei die Druckluftzuleitung (1) in einen in Richtung der Druckluftzufuhr vorn durch ein durchbohrtes Abschlusssstück (8) begrenzten, als Vorentspannungsraum dienenden Innenraum eines Sprühkopfes (7) mündet, und das Abschlusssstück (8) zum Zwecke der Energieersparnis mindestens drei zentralsymmetrisch angeordnete Austrittsmündungen (10) besitzt.

IPC 1-7
F25C 3/04; **B05B 7/04**

IPC 8 full level
B05B 7/02 (2006.01); **B05B 7/04** (2006.01); **B05B 7/24** (2006.01); **F25C 3/04** (2006.01)

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

Citation (search report)
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