

Title (en)

SMOKE GENERATOR USING DRY ICE

Title (de)

RAUCHERZEUGER UNTER VERWENDUNG VON TROCKENEIS

Title (fr)

GÉNÉRATEUR DE FUMÉE À L'AIDE DE GLACE CARBONIQUE

Publication

EP 3954447 A2 20220216 (EN)

Application

EP 21179737 A 20210616

Priority

- CN 202010819141 A 20200814
- CN 202021702139 U 20200814

Abstract (en)

A smoke generator includes a casing having a first chamber receiving dry ice, a second chamber receiving water, and a third chamber. The casing includes an outer side having a smoke outlet intercommunicating with the second chamber. The first chamber includes a smoke discharge port intercommunicating with the second chamber. A water pump device in the third compartment includes a water inlet located in the second chamber and a water spraying end located in the first chamber. The water pump device delivers water in the second chamber to the first chamber. The dry ice contacts with the water and gasifies into smoke that enters the second chamber via the smoke discharge port and is then ejected out via the smoke outlet. Water in the first chamber is flowable back to the second chamber. A heater is disposed in the second chamber and can increase the temperature of the water.

IPC 8 full level

A63J 5/02 (2006.01)

CPC (source: EP)

A63J 5/025 (2013.01)

Cited by

US11779856B2

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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