Title (en)

ROTARY FOAM DISTRIBUTOR

Title (de)

ROTATIONSVERTEILER FÜR SCHAUM

Title (fr)

DISTRIBUTEUR DE MOUSSE ROTATIF

Publication

EP 1874412 A1 20080109 (EN)

Application

EP 06741384 A 20060413

Priority

- CA 2006000590 W 20060413
- US 10650305 A 20050415
- CA 2505911 A 20050415

Abstract (en)

[origin: WO2006108298A1] A self-powered foam (e.g. compressed-air foam (CAF)) distributor has a rotor mechanism with impingement surfaces against which foam impinges to rotate the rotor. The rotor is mounted on an inlet shaft geared to an output shaft. A rotary outlet is mounted to the output shaft so that foam entering the distributor rotates the rotary outlet, which in turn projects foam around in a circular sweep. The rotary outlet can rotate over a full 360 degrees, providing superior coverage for a large floor space, such as in hangars or warehouses, with less water and concentrate than in unfoamed conventional systems. Having a compact vertical profile this versatile distributor can be installed in a floor trench of a hangar or on a wall or ceiling. Since all rotational energy is harnessed from the pressure of the foam itself, no external energy source is required to power the distributor.

IPC 8 full level

A62C 31/12 (2006.01); **A62C 35/00** (2006.01); **B05B 3/04** (2006.01)

CPC (source: EP)

A62C 31/00 (2013.01); **A62C 31/12** (2013.01); **B05B 3/0422** (2013.01); **B05B 3/0431** (2013.01)

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DOCDB simple family (publication)

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