

Title (en)
ROTARY FOAM DISTRIBUTOR

Title (de)
ROTATIONSVERTEILER FÜR SCHAUM

Title (fr)
DISTRIBUTEUR DE MOUSSE ROTATIF

Publication
EP 1874412 B1 20100224 (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)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006108298 A1 20061019; AT E458537 T1 20100315; DE 602006012470 D1 20100408; EP 1874412 A1 20080109; EP 1874412 A4 20080514; EP 1874412 B1 20100224

DOCDB simple family (application)
CA 2006000590 W 20060413; AT 06741384 T 20060413; DE 602006012470 T 20060413; EP 06741384 A 20060413