

Title (en)
ROTARY FOAM DISTRIBUTOR

Title (de)
ROTATIONSVERTEILER FÜR SCHAUM

Title (fr)
DISTRIBUTEUR DE MOUSSE ROTATIF

Publication
EP 1874412 A4 20080514 (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)

Citation (search report)
• [X] US 5772117 A 19980630 - SU YEONG CHWAN [TW]
• [X] US 1523609 A 19250120 - ROACH FINIS E
• [A] US 4501391 A 19850226 - HUNTER EDWIN J [US]
• [A] US 4944457 A 19900731 - BREWER MARK [US]
• [A] GB 2046129 A 19801112 - HUBER M
• [A] WO 8807849 A1 19881020 - HYDRO AIR IND INC [US]
• See references of WO 2006108298A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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