

Title (en)
Rotating nozzle assembly

Title (de)
Drehdüsenvorrichtung

Title (fr)
Élément à buse rotative

Publication
EP 2143499 A1 20100113 (FR)

Application
EP 09164937 A 20090708

Priority
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Abstract (en)
The element (1) has a cylindrical body (2) forming a cage and supplied with gas i.e. air, and liquid i.e. water. A rotating nozzle (3) is mounted on bearings (4, 5) in the body. The rotating nozzle comprises two pipes (10, 15) supplied with gas and liquid from a lateral gas nozzle (11) and a small liquid nozzle, respectively. The ejection of gas through the gas nozzle permits rotation of the rotating nozzle and spraying of the liquid from the small liquid nozzle.

Abstract (fr)
L'élément (1) à buse rotative (3) permet de créer un nuage de liquide, par exemple d'eau, et comprend au moins un corps (2) alimenté en gaz et en liquide, une buse rotative (3) avec au moins deux canaux (10,15) alimentés respectivement par ledit gaz et ledit liquide ayant et des buses (11,16) de sortie. L'éjection dudit gaz par les buses à gaz (11) permet d'une part d'entraîner ladite buse (3) en rotation et d'autre part de pulvériser le liquide sortant des buses à liquide (16).

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Citation (search report)
• [X] US 3460988 A 19690812 - KENNEDY MERRITT T JR, et al
• [X] FR 2583507 A1 19861219 - GIESLER APPLIC PROCEDES [FR]
• [X] US 2177851 A 19391031 - WALLACE DAVID A
• [A] EP 0135334 A1 19850327 - MORRIS ARTHUR
• [A] US 1577225 A 19260316 - GRANGER HARRY Z
• [A] WO 03022364 A1 20030320 - MARIOFF CORP OY [FI], et al
• [A] US 3004719 A 19611017 - POUPPIRT JR WALTER C

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