

Title (en)  
Nozzle for small capacity fire extinguisher

Title (de)  
Düse für einen Feuerlöscher geringer Kapazität

Title (fr)  
Bec d'extincteur de faible capacité

Publication  
**EP 1707243 A1 20061004 (EN)**

Application  
**EP 05007067 A 20050331**

Priority  
EP 05007067 A 20050331

Abstract (en)  
A nozzle is provided particularly for use with small capacity fire extinguishers having, for example, capacities of two to four litres. The nozzle is configured to provide a turbulence-generating channel designed to impart turbulence to a flow of extinguishant by first deflecting extinguishant away from the axis of the nozzle, before redirecting the extinguishant back along the axis of the nozzle. In one example, the channel includes at least two deflection surfaces, which are perpendicular to the flow of extinguishant. The combination of these and other components serves to impart a high degree of turbulence to the flow of extinguishant so as to ensure effective mixing of air and extinguishant within the outlet port of the nozzle to provide an effective foam or mist for fighting fires.

IPC 8 full level  
**A62C 31/02** (2006.01)

CPC (source: EP)  
**A62C 31/02** (2013.01)

Citation (applicant)  
• US 5857627 A 19990112 - HORWELL SIMON HOWARD [GB], et al  
• US 5921471 A 19990713 - VIVIER DANIEL [FR], et al

Citation (search report)  
• [XA] US 2003029622 A1 20030213 - CLAUSS TORSTEN [DE], et al  
• [A] US 2605144 A 19520729 - NORTHUP ROBERT P  
• [A] US 5358179 A 19941025 - LUND MARK T [US], et al  
• [A] US 5921471 A 19990713 - VIVIER DANIEL [FR], et al

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CN104548442A; CN108721815A; EP2332618A1; FR2953729A1; US8573318B2

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