

Title (en)  
POWDER SPRAYING DEVICE PROVIDED WITH A RINSING DEVICE

Publication  
**EP 0044842 B1 19850417 (DE)**

Application  
**EP 81900271 A 19810117**

Priority  
DE 3003684 A 19800201

Abstract (en)  
[origin: WO8102116A1] A cylindrical rod (3) longitudinally movable is arranged centrally in relation to the spray (2) of a powder spraying pistol (1). A conical deflector (5) is mounted on its free end. The lateral surface (9) of the deflector forms a sharpe edge (11) with the conical concave front face (10). In the central exhaust channel (12) of the deflector (5) a rinsing nozzle is arranged provided with an outlet approximatively radial for the rinsing air supplied by a pressurized air source (19). The rinsing tip comprises a head (14) in the form of a mushroom forming a deflecting body disposed adjacent to the exhaust channel end (12). The nozzle may also be made in the form of a rotation nozzle by means of a sharpe annular edge and a whirling chamber or of a helical guiding flange. The rinsing air flows continuously along the front face (10) thus preventing any powder packing at this place. A switch valve (18) controlled by a key (20) can switch automatically the exhaust channel on a source of fire extinguishing gas (21) which blows the gas in the spraying region where there is the greatest danger of inflammation.

IPC 1-7  
**B05B 5/02**

IPC 8 full level  
**B05B 5/03** (2006.01)

CPC (source: EP)  
**B05B 5/032** (2013.01)

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