

Title (en)
ELECTROSTATIC SPRAY GUN

Publication
EP 0227992 B1 19890920 (DE)

Application
EP 86117181 A 19861210

Priority
DE 3545885 A 19851223

Abstract (en)
[origin: US4752034A] A portable electrostatic spray gun for liquid and/or pulverulent materials has a body with a grip and a second portion which carries a detachable barrel and has an inlet for admission of material to be sprayed. The rear side of the grip has a socket for a first unit of the high-voltage generator. A second unit of the generator is installed in a chamber provided in the second portion of the body and being accessible upon separation of the second portion from the grip. The grip contains a proximity switch which is actuatable by the trigger and can be deactivated by rotating it in the grip. The first unit of the generator has a transformer and an oscillator connected to a low-voltage input, and the second unit has a voltage multiplier connected with two high-voltage electrodes, one in the inlet and the other in an air admitting channel which is provided in the second portion of the body and includes a passage in the second unit of the generator.

IPC 1-7
B05B 5/02

IPC 8 full level
B05B 5/025 (2006.01); **B05B 5/03** (2006.01); **B05B 5/053** (2006.01)

CPC (source: EP US)
B05B 5/032 (2013.01 - EP US); **B05B 5/0531** (2013.01 - EP US)

Cited by
EP0547397A1; DE4141663A1; US5482214A

Designated contracting state (EPC)
AT BE CH ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
US 4752034 A 19880621; AT E46459 T1 19891015; BR 8606378 A 19871013; DE 3545885 C1 19930304; EP 0227992 A2 19870708; EP 0227992 A3 19871209; EP 0227992 B1 19890920; ES 2010660 B3 19891201; JP H0511510 B2 19930215; JP S62155955 A 19870710

DOCDB simple family (application)
US 94216486 A 19861216; AT 86117181 T 19861210; BR 8606378 A 19861222; DE 3545885 A 19851223; EP 86117181 A 19861210; ES 86117181 T 19861210; JP 30276986 A 19861218