

Title (en)  
PUMP WHICH CAN BE ACTUATED BY MEANS OF A HAND LEVER FOR SPRAYING LIQUIDS

Title (de)  
HANDHEBEL-BETÄTIGBARE PUMPE ZUM VERSPRÜHEN VON FLÜSSIGKEITEN

Title (fr)  
POMPE A COMMANDE MANUELLE POUR PULVERISATION DE LIQUIDES

Publication  
**EP 1163058 A1 20011219 (DE)**

Application  
**EP 00920570 A 20000324**

Priority  
• DE 19913668 A 19990325  
• EP 0002630 W 20000324

Abstract (en)  
[origin: US6578742B1] A hand-lever-actuatable pump for spraying liquids comprising a pump piston which is displaceable linearly counter to force of a compression spring in a pump cylinder in a housing, for spraying a liquid out of a mouthpiece nozzle, the pump piston being coupled to a hand-lever via a connecting pull member such that pivoting movement of the hand-lever pulls the pump piston in direction of liquid moving toward the mouthpiece nozzle. Starting from a rear side of the pump piston, the connecting pull member extends parallel to the pump piston displacement path in direction of the mouthpiece nozzle. On the rear side of the pump piston there is a hook-in slot which is located in direction of the pump piston displacement path, is open in direction of compressive force of a compression spring and is for a drive crosspiece of the connecting member.

IPC 1-7  
**B05B 11/00**

IPC 8 full level  
**B05B 11/00** (2006.01)

CPC (source: EP US)  
**B05B 11/1011** (2023.01 - EP US); **B05B 11/1056** (2023.01 - EP US); **B05B 11/1057** (2023.01 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**US 6578742 B1 20030617**; AT E254509 T1 20031215; AU 4109900 A 20001016; DE 19913668 A1 20000928; DE 50004498 D1 20031224; DK 1163058 T3 20040329; EP 1163058 A1 20011219; EP 1163058 B1 20031119; ES 2209863 T3 20040701; PL 193660 B1 20070330; PL 350772 A1 20030210; WO 0058020 A1 20001005

DOCDB simple family (application)  
**US 93722902 A 20020304**; AT 00920570 T 20000324; AU 4109900 A 20000324; DE 19913668 A 19990325; DE 50004498 T 20000324; DK 00920570 T 20000324; EP 0002630 W 20000324; EP 00920570 A 20000324; ES 00920570 T 20000324; PL 35077200 A 20000324