

Title (en)
DIRECT CONNECTION MANIFOLD FOR RECIPROCATING PISTON PUMP

Title (de)
DIREKTVERBINDUNGSVERTEILER FÜR HUBKOLBENPUMPE

Title (fr)
DISTRIBUTEUR A CONNEXION DIRECTE POUR POMPE ALTERNATIVE

Publication
EP 1495228 A4 20070404 (EN)

Application
EP 03726175 A 20030402

Priority
• US 0310056 W 20030402
• US 36995002 P 20020405

Abstract (en)
[origin: WO03087578A1] An airless sprayer utilizing a reciprocating piston pump (12) uses a block fluid manifold (16) attached directly to the pump cylinder (14) and which includes provisions for a pressure sensor (20), a dump or safety valve (18) and a hose outlet to minimize pressure drop which in turn maximizes spraying pressure as well as lessening the tendency to pack out.

IPC 8 full level
F04B 49/03 (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP KR US)
F04B 39/00 (2013.01 - KR); **F04B 49/00** (2013.01 - KR); **F04B 49/03** (2013.01 - EP US); **F04B 53/16** (2013.01 - EP US); **F04B 2205/04** (2013.01 - EP US); **F04B 2205/05** (2013.01 - EP US)

Citation (search report)
• [XY] US 5127547 A 19920707 - GERICH HORST [US]
• [Y] US 4773833 A 19880927 - WILKINSON BRUCE S [US], et al
• [DY] US 6220487 B1 20010424 - SRIVASTAVA NILENDU [US], et al
• [X] EP 0419984 A2 19910403 - VICKERS INC [US]
• See references of WO 03087578A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 03087578 A1 20031023; AU 2003228423 A1 20031027; CN 1646811 A 20050727; EP 1495228 A1 20050112; EP 1495228 A4 20070404; KR 20040097286 A 20041117; US 2006177317 A1 20060810

DOCDB simple family (application)
US 0310056 W 20030402; AU 2003228423 A 20030402; CN 03807807 A 20030402; EP 03726175 A 20030402; KR 20047015878 A 20030402; US 51036704 A 20041005