Title (en)

SLIDING VALVE SYSTEM WITH AND WITHOUT OPERATION MECHANISM, FREE OF MAINTENANCE AND MADE OF PLASTIC MATERIAL

Title (de)

UNTERHALTSFREIE, VERSCHIEBBARE STAUKLAPPE AUS KUNSTSTOFF MIT ODER OHNE AKTIEVIERUNGSVORRICHTUNG

Title (fr)

SYSTEME DE VANNE COULISSANTE AVEC ET SANS MECANISME DE FONCTIONNEMENT, SANS BESOIN D'ENTRETIEN ET EN PLASTIQUE

Publication

EP 1152090 A1 20011107 (EN)

Application

EP 98945644 A 19980903

Priority

- MX 9800041 W 19980903
- MX 9805941 A 19980723

Abstract (en)

THROUGH 20 YEARS OF PERSONAL EXPERIENCE IN THE FIELD OF IRRIGATION IN MEXICO, I HAVE OBSERVED THAT THE IN TRADITIONAL WAYS OF MANUFACTURING ELECTROMECHANICAL EQUIPMENT (FLOODGATES AND MECHANISMS AMONG OTHERS) FOR IRRIGATION SYSTEMS STRUCTURAL STEEL IS COMMONLY USED, BRONZE AND CAST IRON WHICH IS THEN MACHINED TO GIVE IT ITS FINAL SHAPE. THE EQUIPMENT UNDERGOES ANTICORROSIVE AND LUBRICATING TREATMENTS. MY IDEA IS TO ELIMINATE TO A GREAT DEGREE, THE SERIOUS PROBLEMS IN: DESIGN, OPERATION, MAINTENANCE, AND USEFUL LIFE GIVEN THE HIGH DEGREE OF DETERIORATION THAT THEY PRESENT, CAUSED BY SEWAGE, WASTE, WATER WITH A HIGH ALKALINE CONTENT, ETC. AS A RESULT OF A LOT OF RESEARCH I HAVE DEVELOPED, TESTED, AND RE-TESTED ARRANGEMENTS WHICH ARE A COMBINATION OF SIMPLIFIED MACHININGS AND/OR MOLDINGS WHICH ADDED TO THE SIMPLICITY OF MY DESIGNS AND THE MATERIAL USED (NYLON, POLYPROPILENE, ULTRA-HIGH MOLECULAR WEIGHT POLYETHILENE, HIGH-DENSITY POLYETHILENE, AND PVC) ARE THE IDEAL SOLUTION. MAIN FEATURES: SIMPLICITY OF DESIGN EASY INSTALLATION NO LUBRICATION NO MAINTENANCE EASY OPERATION ECOLOGICAL NO SEALS LONGER USEFUL LIFE NO WASTE <IMAGE>

IPC 1-7

E02B 13/02; E02B 7/28

IPC 8 full level

E02B 7/28 (2006.01); **E02B 13/02** (2006.01)

CPC (source: EP)

E02B 7/28 (2013.01); **E02B 13/02** (2013.01)

Citation (search report)

See references of WO 0005459A1

Cited by

NL2028026B1; FR2835547A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

WO 0005459 A1 20000203; AU 9284398 A 20000214; CA 2381540 A1 20000203; EP 1152090 A1 20011107

DOCDB simple family (application)

MX 9800041 W 19980903; AU 9284398 A 19980903; CA 2381540 A 19980903; EP 98945644 A 19980903