

Title (en)
CYLINDRICAL MEMBER MAINTENANCE DEVICE

Title (de)
VORRICHTUNG ZUR WARTUNG EINES ZYLINDRISCHEN GLIEDS

Title (fr)
DISPOSITIF DE MAINTENANCE D'ELEMENT CYLINDRIQUE

Publication
EP 1981657 A1 20081022 (EN)

Application
EP 06719795 A 20060127

Priority
US 2006003093 W 20060127

Abstract (en)
[origin: WO2007086865A1] A cylindrical member maintenance device is comprised of a housing (10) comprised of two hinged halves (11, 12) for being closed around a cylindrical member (13), such as a stranded steel cable. A rotary helical brush assembly (21) and a rotary longitudinal brush assembly (22) are positioned in the housing and rotatable about an axis of the housing. Each rotary brush assembly is comprised of coaxial split rings (23, 26) with rotary cylindrical wire brushes (25, 28) connected in between and which are independently rotatable about their own axes. Nozzles (29) are positioned on the inside of the housing for applying a cleaning fluid or paint to the cylindrical member. Apertures (32) in the housing are for connecting to a suction device for removing debris, cleaning fluid, and paint to avoid contaminating the environment. Loops (18) on the housing are for attaching to cables for moving the housing along the cylindrical member.

IPC 8 full level
B08B 9/023 (2006.01); **B08B 1/02** (2006.01); **B08B 1/04** (2006.01); **B08B 3/02** (2006.01)

CPC (source: EP)
B05B 13/0207 (2013.01); **B08B 1/20** (2024.01); **B08B 1/30** (2024.01); **B08B 1/32** (2024.01); **B08B 3/022** (2013.01); **B08B 3/024** (2013.01); **B08B 9/023** (2013.01); **E01D 19/106** (2013.01); **E01D 19/16** (2013.01)

Citation (search report)
See references of WO 2007086865A1

Cited by
CN116153572A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007086865 A1 20070802; AU 2006336455 A1 20070802; AU 2006336455 B2 20121115; BR PI0621192 A2 20111206; CA 2638033 A1 20070802; CA 2638033 C 20130806; CN 101426592 A 20090506; CN 101426592 B 20101208; EP 1981657 A1 20081022; HK 1132706 A1 20100305; JP 2009524519 A 20090702; JP 4869355 B2 20120208

DOCDB simple family (application)
US 2006003093 W 20060127; AU 2006336455 A 20060127; BR PI0621192 A 20060127; CA 2638033 A 20060127; CN 200680051900 A 20060127; EP 06719795 A 20060127; HK 09110310 A 20091105; JP 2008552280 A 20060127