

Title (en)
Delivery lance with rotary nozzle

Title (de)
Zerstäuber mit rotierender Düse

Title (fr)
Lance à buse rotative

Publication
EP 0879644 A2 19981125 (EN)

Application
EP 97202633 A 19970828

Priority
IT RE970034 A 19970522

Abstract (en)
A high-pressure water delivery lance with rotary nozzle (11) comprises a cylindrical chamber (10) known as the stator, which is fed with pressurized water via at least one tangential conduit the direction of which has an axial component, and in which there rotates a nozzle (11) known as the rotor having an at least partly frusto-conical wall which rolls on the chamber surface, a sized axial hole and an end sealedly resting in an end seat of the chamber, the rotor and stator being formed of materials having between them a dynamical friction coefficient of less than 0.20. <IMAGE>

IPC 1-7
B05B 3/04

IPC 8 full level
B05B 3/04 (2006.01)

CPC (source: EP)
B05B 3/0463 (2013.01)

Cited by
EP1920847A1; JP2003176560A; JP2002336741A; US6925659B2; WO2008004030A1; WO2008056218A3; WO02068766A1; WO2008056218A2

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

DOCDB simple family (publication)
EP 0879644 A2 19981125; EP 0879644 A3 20020116; EP 0879644 B1 20040707; AT E270587 T1 20040715; DE 29716005 U1 19971023; DE 69729788 D1 20040812; DE 69729788 T2 20041111; IT 1294433 B1 19990324; IT RE970034 A1 19981122

DOCDB simple family (application)
EP 97202633 A 19970828; AT 97202633 T 19970828; DE 29716005 U 19970906; DE 69729788 T 19970828; IT RE970034 A 19970522