

Title (en)  
NONREACTIVE HYDRODYNAMIC TOOL FOR SURFACE CLEANING

Title (de)  
NICHT-REAKTIVES HYDRODYNAMISCHES WERKZEUG ZUM REINIGEN VON OBERFLÄCHEN

Title (fr)  
OUTIL HYDRODYNAMIQUE NON REACTIF DESTINE AU NETTOYAGE DE SURFACES

Publication  
**EP 1216762 A1 20020626 (EN)**

Application  
**EP 99956371 A 19990809**

Priority  
RU 9900278 W 19990809

Abstract (en)  
The invention relates to the techniques of hydrodynamic cleaning of underwater surfaces of various facilities. The invention makes it possible to improve the service performance of a nonreactive hydrodynamic surface cleaning tool. The inventive tool is comprised of a body with handle (1) containing channels (2) for feeding a working fluid. The barrel (3) is connected to the body with handle (1) and to a working jet (4). A protective bar (5) and a connector (6) are mounted on the body with handle (1). Said channels (2) communicate with a high-pressure source through said connector (6). The body with the handle (1) is provided with a working fluid flow regulator (8) which comprises a lever (9). The free end of the barrel (3) comprises a mouthpiece (10). The nozzle (4) is mounted on said mouthpiece (10). A high pressure chamber is mounted behind the face of the barrel (3). A nozzle mounted on the mouthpiece (10) comprises control openings. An ejector is formed by crossing channels made around the face of the barrel (3). The nozzle comprises an ejector regulator having the shape of a control ring, which includes openings interacting with the control openings of the nozzle. A support bracket is mounted on the ejector regulator. The axis (20) of the barrel (3) can follow a straight line or a curve.  
<IMAGE>

IPC 1-7  
**B08B 3/02**; B63B 59/08; B63C 11/52

IPC 8 full level  
**B05B 7/04** (2006.01); **B63B 59/08** (2006.01)

CPC (source: EP KR)  
**B05B 7/0425** (2013.01 - EP); **B08B 3/02** (2013.01 - KR); **B63B 59/08** (2013.01 - EP)

Cited by  
CN106944393A; CN110313704A; WO2018171693A1

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)  
**EP 1216762 A1 20020626**; **EP 1216762 A4 20021002**; AU 1299500 A 20010305; CA 2378500 A1 20010215; KR 20020029919 A 20020420; WO 0110577 A1 20010215; WO 0110577 A8 20011101

DOCDB simple family (application)  
**EP 99956371 A 19990809**; AU 1299500 A 19990809; CA 2378500 A 19990809; KR 20027001874 A 20020209; RU 9900278 W 19990809