

Title (en)

Device for eroding a solid surface by a cavitating flow.

Title (de)

Vorrichtung zum Erodieren einer festen Oberfläche mittels einer hohlraumbildenden Strömung.

Title (fr)

Dispositif d'érosion d'une surface solide par un écoulement cavitant.

Publication

**EP 0108666 A1 19840516 (FR)**

Application

**EP 83401967 A 19831007**

Priority

FR 8216798 A 19821007

Abstract (en)

[origin: WO8401528A1] A vapor pocket (PV) is formed at the contact of a surface to be eroded (S) by an active ridge (D2) which is the edge of a deflector (D) which receives a high speed water jet formed by a nozzle (B) and deflects that jet in parallel to said surface. Application to the pickling of a polluted surface.

Abstract (fr)

Une poche de vapeur (PV) est formée au contact de la surface à éroder S par une arête active (D2) constituant le bord d'un déflecteur (D) qui reçoit un jet d'eau à grande vitesse formé par une buse (B) et le défléchit parallèlement à cette surface. Application au décapage d'une surface polluée.

IPC 1-7

**B08B 3/02**; **B08B 9/02**; **E21B 7/18**

IPC 8 full level

**B08B 3/02** (2006.01); **B08B 9/04** (2006.01); **B08B 9/053** (2006.01); **E21B 7/18** (2006.01); **G21F 9/28** (2006.01); **G21F 9/30** (2006.01)

CPC (source: EP US)

**B08B 3/02** (2013.01 - EP US); **B08B 9/0433** (2013.01 - EP US); **B08B 9/0553** (2013.01 - EP US); **E21B 7/18** (2013.01 - EP US); **B08B 2209/005** (2013.01 - EP US); **Y10T 29/4544** (2015.01 - EP US)

Citation (search report)

- US 3528704 A 19700915 - JOHNSON VIRGIL E JR
- US 4193635 A 19800318 - HOCHREIN AMBROSE A JR [US], et al

Cited by

DE10048460B4; WO2004101180A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 0108666 A1 19840516**; **EP 0108666 B1 19860813**; CA 1202560 A 19860401; DE 3365329 D1 19860918; FR 2534158 A1 19840413; FR 2534158 B1 19841214; JP H0141960 B2 19890908; JP S59501682 A 19841004; US 4497664 A 19850205; WO 8401528 A1 19840426

DOCDB simple family (application)

**EP 83401967 A 19831007**; CA 438563 A 19831006; DE 3365329 T 19831007; FR 8216798 A 19821007; FR 8300204 W 19831007; JP 50315583 A 19831007; US 53990083 A 19831007