

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

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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

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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