

Title (en)

Degassification of water in hydraulic spark gap shock wave generator.

Title (de)

Wasserentgasung eines hydraulischen Funken-Stosswellen-Erzeugers.

Title (fr)

Dégazage de l'eau dans un générateur d'ondes de choc à étincelle.

Publication

**EP 0322473 A1 19890705 (EN)**

Application

**EP 87119266 A 19871228**

Priority

EP 87119266 A 19871228

Abstract (en)

Kidney stones are disintegrated by extracorporeal apparatus generating shock waves. A reflector (12) open at one end, has a liquid such as water therein and a resilient diaphragm (14) across the open end of the reflector. A spark gap (26) is provided in the reflector, and a spark across this gap generates a shock wave and produces gas in the liquid. A flexible enclosure (38) within the reflector about the spark gap isolates the spark gap from most of the liquid in the reflector. Gas formed as an incident to discharging a spark across the gap is removed from this enclosure.

IPC 1-7

**A61B 17/22**; **G10K 11/02**; **G10K 15/06**

IPC 8 full level

**G10K 11/02** (2006.01); **G10K 15/06** (2006.01)

CPC (source: EP)

**G10K 11/02** (2013.01); **G10K 15/06** (2013.01)

Citation (search report)

- [XE] US 4715375 A 19871229 - NOWACKI CHRISTOPHER [US], et al
- [XE] US 4715376 A 19871229 - NOWACKI CHRISTOPHER [US], et al
- [A] EP 0090138 A2 19831005 - DORNIER SYSTEM GMBH [DE]

Cited by

FR2675614A1; DE102013007132A1; FR2675937A1; EP2964326A4; EP3626307A1; WO9218976A1; US11813477B2; US11229575B2; US11865371B2; US10835767B2; US10857393B2; US11794040B2; US11857212B2

Designated contracting state (EPC)

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