

Title (en)  
SEISMIC GENERATOR.

Title (de)  
SEISMISCHER GENERATOR.

Title (fr)  
GENERATEUR SISMIQUE.

Publication  
**EP 0202246 A4 19870730 (EN)**

Application  
**EP 85905171 A 19851004**

Priority  
US 67037884 A 19841109

Abstract (en)  
[origin: WO8603015A1] The method and apparatus for generating seismic vibrations in a liquid includes an electronically controlled, hydraulically powered generator (10) that includes a piston assembly (16) reciprocally mounted on a cylindrical post (14) in a generator housing (12). The control apparatus includes a control valve (18) that is located very close to the piston assembly (16) thereby reducing the volume of the passageways (48, 56) extending to the piston assembly (16) so that the cycle rate of the piston assembly (16) can be very rapid and can be changed accurately and quickly. An extended life is provided by releasing the high pressure fluid driving the piston assembly (16) prior to impact between the piston assembly (16) and the post (14) and by providing trapped volumes of fluid in the chambers (84, 88) to damp the movement of the piston assembly (16) toward the post (14).

IPC 1-7  
**G01V 1/04; G01V 1/133; H04R 1/00; F01B 15/00**

IPC 8 full level  
**G01V 1/155** (2006.01)

CPC (source: EP)  
**G01V 1/155** (2013.01)

Citation (search report)

- [X] EP 0024117 A2 19810225 - CONOCO INC [US]
- [A] US 4114722 A 19780919 - WEBER RICHARD MARTIN, et al
- See references of WO 8603015A1

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**WO 8603015 A1 19860522**; CA 1254296 A 19890516; EP 0202246 A1 19861126; EP 0202246 A4 19870730; NO 862757 D0 19860708; NO 862757 L 19860908

DOCDB simple family (application)  
**US 8501927 W 19851004**; CA 492455 A 19851008; EP 85905171 A 19851004; NO 862757 A 19860708