

Title (en)
SUBMERSIBLE PILE HAMMER

Publication
EP 0263967 B1 19921230 (DE)

Application
EP 87113003 A 19870905

Priority
DE 3634905 A 19861014

Abstract (en)
[origin: EP0263967A1] The submersible pile hammer has a striking element which can move in a hammer casing and, in operation, is suspended on a flexible supporting element which can hang down essentially vertically. The hammer has at least one positioning device (15), arranged on itself or on a drive unit connected to it for submersing together, the positioning device serving for transverse movement and/or turning of the pile hammer hanging on the supporting element. Each positioning device has at least one rotatable propeller and/or at least one jet nozzle for producing a flow directed essentially transversely to the longitudinal axis of the hammer casing and each propeller is connected to a drive motor and each jet nozzle is connected to a compressed gas space or a combustion chamber for producing a compressed gas jet, which can be operated by control devices from above the surface of the water. <IMAGE>

IPC 1-7
E02D 7/02

IPC 8 full level
E02D 7/02 (2006.01); **E02D 7/10** (2006.01); **E02D 7/16** (2006.01); **E21B 41/00** (2006.01)

CPC (source: EP)
E02D 7/02 (2013.01); **E21B 41/0014** (2013.01)

Cited by
AT522247A1; AT522247B1; EP2251491A1; WO0218711A1

Designated contracting state (EPC)
DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0263967 A1 19880420; **EP 0263967 B1 19921230**; DE 3634905 A1 19880428; DE 3634905 C2 19910117; DE 3783304 D1 19930211; JP H01131722 A 19890524; JP H07902 B2 19950111; NO 874264 D0 19871013; NO 874264 L 19880415

DOCDB simple family (application)
EP 87113003 A 19870905; DE 3634905 A 19861014; DE 3783304 T 19870905; JP 25941687 A 19871014; NO 874264 A 19871013