

Title (en)
Wave generator.

Title (de)
Wellengenerator.

Title (fr)
Générateur de houle.

Publication
EP 0236653 A1 19870916 (FR)

Application
EP 86440104 A 19861201

Priority
FR 8518454 A 19851211

Abstract (en)
1. System for generating an artificial surge or swell in an ocean engineering experimental basin or dock, of the type having a beater constituted by a cylindrical float parallel to the rear wall of the basin, characterized in that the section of said float, i.e. the generatrix of said cylinder, has a substantially vertical rear side, i.e. substantially parallel to said rear wall, and a nose-shaped front side, and said float is associated with mechanical means imparting to it a horizontal alternating movement, the mean distance between the rear wall of the float and the rear wall of the basin being chosen in such a way that a resonance phenomenon is created between the swell train produced by the oscillations of the water column between said walls and that created by the movement of the float, the superimposing of these two trains giving rise to a very high transfer function in a chosen swell period interval.

Abstract (fr)
Système générateur de houle artificielle dans un bassin d'expérimentation de génie océanique, du type comportant un batteur constitué par un flotteur (1) cylindrique parallèle à la paroi arrière du bassin, caractérisé en ce que, la section dudit flotteur, c'est-à-dire la génératrice dudit cylindre, comporte un côté arrière (4) sensiblement vertical, c'est-à-dire sensiblement parallèle à ladite paroi arrière (2), et un côté avant en forme de bec (5), et ledit flotteur est associé à des moyens mécaniques (3) lui imprimant un mouvement alternatif horizontal.

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F04D 35/00

IPC 8 full level
A47K 3/10 (2006.01); **E04H 4/00** (2006.01); **F04D 35/00** (2006.01)

CPC (source: EP KR)
E02B 1/006 (2013.01 - EP); **E02B 1/02** (2013.01 - EP); **E04H 4/0006** (2013.01 - EP); **F04D 35/00** (2013.01 - KR)

Citation (search report)
• [A] FR 2291803 A1 19760618 - ALSTHOM CGEE [FR]
• [A] DE 158102 C
• [A] FR 2136568 A5 19721222 - OFFSHORE TECHNOLOGY CORP

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