

Title (en)
Monopile foundation

Title (de)
Monopile-Gründung

Title (fr)
Fondation monopieu

Publication
EP 1988219 A1 20081105 (EN)

Application
EP 07460009 A 20070504

Priority
EP 07460009 A 20070504

Abstract (en)
The monopile foundation, sunk into the bottom of a water area, which is designated for the purpose of fixing a wind power plant thereon, includes a foundation pile, resistance plate surrounding it (2), placed on the water area bottom, and gravel or other loose and hard material (4), put into the space between the external surface of the foundation pile and the internal surface of the resistance plate, which elements co-operate with each other. The resistance plate has at its bottom side edges (3), situated on the external and internal perimeter of the plate, the blades of which are directed downwards, at the angle from 10° to 50°.

IPC 8 full level
E02D 27/42 (2006.01)

CPC (source: EP)
E02D 27/42 (2013.01); **E02D 27/425** (2013.01)

Citation (applicant)
• JP S6434383 A 19890203 - KIKUCHI TADASHI
• JP 2001295298 A 20011026 - ABE ICHIRO

Citation (search report)
• [X] JP S6434383 A 19890203 - KIKUCHI TADASHI
• [X] JP 2001295298 A 20011026 - ABE ICHIRO
• [X] DE 10105472 A1 20020822 - STRAEB GMBH & CO GEB [DE]
• [A] US 2006048471 A1 20060309 - LEE DAE Y [KR]
• [A] JP 2005069025 A 20050317 - MITSUI SHIPBUILDING ENG
• [A] WO 2004101898 A2 20041125 - WOBLEN ALOYS [DE]

Cited by
DE102010015533B3; EP3103924A1; CN112942407A; WO2016198272A1; WO2011128006A1; US8596919B2; DE102021119100A1; WO2023001879A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

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