

Title (en)

Mooring device and method for mooring a vessel to a wind power plant

Title (de)

Verankerungsvorrichtung und Methode zur Verankerung eines Bootes an eine Windanlage

Title (fr)

Dispositif et méthode d'amarrage d'un bateau à une éolienne

Publication

EP 2500256 A1 20120919 (EN)

Application

EP 12159152 A 20120313

Priority

FI 20115257 A 20110314

Abstract (en)

The invention relates to a mooring device (100) for mooring a vessel (300) to a wind power plant (200), which mooring device (100) comprises a first (130) and a second (130') gripping means for gripping impact shield pipes (210, 210') of the wind power plant (200), which gripping means (130, 130') comprises a frame part (131, 131'), a first gripping arm (132, 132') and a second gripping arm (133, 133'), which gripping arms (132, 132', 133, 133') are attached in a turnable manner to the frame part (131, 131') and which gripping arms (132, 132', 133, 133') can be turned against the impact shield pipe (210, 210') so that the impact shield pipe (210, 210') is pressed between the first (132, 132') and the second (133, 133') gripping arm. The gripping means (130, 130') comprises at least one roller means (136, 136'), which can be placed against the impact shield pipe (210, 210'). The invention also relates to a method for mooring a vessel (300) to a wind power plant (200).

IPC 8 full level

B63B 21/00 (2006.01); **B63B 21/08** (2006.01)

CPC (source: EP)

B63B 21/00 (2013.01); **B63B 27/30** (2013.01); **B63B 2021/001** (2013.01)

Citation (search report)

- [Y] GB 2388356 A 20031112 - SMART BILLY-JAY [MC]
- [Y] US 5316509 A 19940531 - BOATMAN L TERRY [US], et al
- [A] US 4834437 A 19890530 - HOWARD SR ALFRED R [US]
- [A] WO 8101431 A1 19810528 - PEREZ CONDE J
- [A] WO 0220343 A1 20020314 - P & R SYSTEMS [NL], et al

Cited by

DE102014101982A1; CN106143800A; DE102014101982B4; CN103224006A; CN108454788A; CN106005255A; CN107672745A; US11383801B2; WO2019158710A1; WO2017119842A1; WO2022138927A1; EP3190042A1; US11091236B2; US11377179B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2500256 A1 20120919; EP 2500256 B1 20140716; FI 20115257 A0 20110314

DOCDB simple family (application)

EP 12159152 A 20120313; FI 20115257 A 20110314