

Title (en)

METHOD OF DAMPING WIND TURBINE TOWER OSCILLATIONS

Title (de)

VERFAHREN ZUR DÄMPFUNG VON WINDTURBINENTURMSCHWINGUNGEN

Title (fr)

PROCÉDÉ D'AMORTISSEMENT DES OSCILLATIONS DE TOUR D'ÉOLIENNE

Publication

EP 2895741 A1 20150722 (EN)

Application

EP 12812513 A 20121207

Priority

- US 201261702220 P 20120917
- DK 2012050450 W 20121207

Abstract (en)

[origin: WO2014040598A1] A method of damping oscillations in a wind turbine tower comprises connecting a bag of material or liquid to a tower component at a first lateral distance away from a tower wall. The bag is also suspended from the tower component by a first vertical distance. The height of the tower component is known such that the first vertical distance corresponds to a particular height within the tower. The first lateral distance, first vertical distance, and mass of the bag are such that the bag is configured to act as a pendulum counteracting a fundamental mode of vibration of the tower.

IPC 8 full level

F03D 11/00 (2006.01)

CPC (source: EP US)

F03D 13/10 (2016.05 - EP); **F03D 13/20** (2016.05 - EP); **F03D 80/00** (2016.05 - EP US); **F03D 80/88** (2016.05 - EP); **F05B 2260/964** (2013.01 - EP); **Y02E 10/72** (2013.01 - EP); **Y02E 10/728** (2013.01 - EP)

Citation (search report)

See references of WO 2014040598A1

Cited by

CN112352100A

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)

WO 2014040598 A1 20140320; EP 2895741 A1 20150722

DOCDB simple family (application)

DK 2012050450 W 20121207; EP 12812513 A 20121207