

Title (en)

BUILDING DAMPER FOR PROTECTING BUILDINGS AGAINST VIBRATIONS, AND BUILDING COMPRISING SUCH A BUILDING DAMPER

Title (de)

BAUWERKSDÄMPFER ZUM SCHUTZ VON BAUWERKEN GEGEN SCHWINGUNGEN UND BAUWERK MIT EINEM SOLCHEN BAUWERKSDÄMPFER

Title (fr)

AMORTISSEUR DE BÂTIMENTS PERMETTANT DE PROTÉGER DES BÂTIMENTS CONTRE DES VIBRATIONS ET BÂTIMENT COMPRENANT UN TEL AMORTISSEUR DE BÂTIMENTS

Publication

EP 4244502 A1 20230920 (DE)

Application

EP 21770185 A 20210831

Priority

- DE 102020216569 A 20201223
- EP 2021073942 W 20210831

Abstract (en)

[origin: WO2022135755A1] The invention relates to a building damper 1 for protecting buildings against vibrations, having a first pendulum 3 with a first pendulum mass 3a, a second pendulum 4 with a second pendulum mass 4a, a coupling device 5, and a damping device 6. The coupling device 5 is arranged between the first pendulum mass 3a and the second pendulum mass 4a and is designed such that the first pendulum mass 3a is coupled to the second pendulum mass 4a in the operational direction of the building damper 1, and a relative movement between the first pendulum mass 3a and the second pendulum mass 4a is permitted in a movement direction running at an angle to the operational direction. The damping device 6 is arranged between the first pendulum mass 3a and the second pendulum mass 4a and is designed such that the relative movement in the movement direction between the first pendulum mass 3a and the second pendulum mass 4a is damped.

IPC 8 full level

F16F 7/10 (2006.01); **E04H 9/02** (2006.01); **F03D 13/20** (2016.01)

CPC (source: EP)

E04B 1/98 (2013.01); **E04H 9/0215** (2020.05); **F03D 13/20** (2016.05); **F16F 7/10** (2013.01); **F05B 2260/964** (2013.01); **F16F 7/1005** (2013.01); **F16F 7/104** (2013.01); **F16F 2230/0023** (2013.01); **F16F 2232/06** (2013.01); **F16F 2238/04** (2013.01); **Y02B 10/30** (2013.01); **Y02E 10/72** (2013.01); **Y02E 10/728** (2013.01)

Citation (search report)

See references of WO 2022135755A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022135755 A1 20220630; AU 2021408473 A1 20230713; CA 3205414 A1 20220630; DE 102020216569 A1 20220623; EP 4244502 A1 20230920

DOCDB simple family (application)

EP 2021073942 W 20210831; AU 2021408473 A 20210831; CA 3205414 A 20210831; DE 102020216569 A 20201223; EP 21770185 A 20210831