

Title (en)

Articulated paraseismic elastoplastic device for civil engineering construction and bridge with such a device

Title (de)

Gelenkige paraseismische elastoplastische Vorrichtung für Hoch- und Tiefbau und Brücke mit einer derartigen Vorrichtung

Title (fr)

Dispositif parasismique élastoplastique articulé pour ouvrage de génie civil, et ouvrage d'art tel qu'un pont comportant ledit dispositif

Publication

EP 1031680 B1 20050831 (FR)

Application

EP 99400478 A 19990226

Priority

EP 99400478 A 19990226

Abstract (en)

[origin: EP1031680A1] Longitudinal shock absorbers (13, 13') are placed between deck (1) and leg of pylon (7). Shock absorber comprises beam (14) and knuckle-jointed connecting rod (15). Beam can rotate relative to connecting rod, around axis (16), slightly perpendicular to plan T. Extreme inner beam section (17) is placed in arching template (18), firmly attached to outer lateral edge (19) of deck. An Independent claim is also included for the description of the suspension bridge.

IPC 1-7

E04H 9/02

IPC 8 full level

E01D 1/00 (2006.01); **E01D 11/02** (2006.01); **E01D 11/04** (2006.01); **E04H 9/02** (2006.01); **F16F 7/12** (2006.01); **F16F 15/02** (2006.01)

CPC (source: EP US)

E04H 9/021 (2013.01 - EP US); **E04H 9/0235** (2020.05 - EP US)

Cited by

CN109164041A; CN102619162A

Designated contracting state (EPC)

AT CH DE ES FR GR IT LI MC PT

DOCDB simple family (publication)

EP 1031680 A1 20000830; **EP 1031680 B1 20050831**; AT E303489 T1 20050915; DE 69926984 D1 20051006; HK 1032615 A1 20010727; JP 2000248508 A 20000912

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EP 99400478 A 19990226; AT 99400478 T 19990226; DE 69926984 T 19990226; HK 01101499 A 20010228; JP 2000050463 A 20000222