Title (en)

Floors structure

Title (de)

Bodenstruktur

Title (fr)

Structure de planchers

Publication

EP 1803852 A1 20070704 (EN)

Application

EP 07008210 A 20040526

Priority

- EP 04253102 A 20040526
- EP 07008210 A 20040526

Abstract (en)

The present invention makes it possible to dismantle and re-use a floor structure by effectively exhibiting the displacement preventing effect for each steel stock against an active load in case the floor structure is formed by arranged steel stocks in parallel. A floor structure comprises a plurality of steel stocks (4) arranged in parallel, each steel stock (4) including a web (1), an upper flange (2) disposed at an upper end of the web (1), and a lower flange (3) disposed at a lower end of the web (1), a floor surface being formed on the upper flange (2), the floor structure further comprising a displacement preventing spacer (6) interposed between the upper flanges (2) and/or lower flanges (3) of the adjacent steel stocks (4), the displacement preventing spacer (6) including a load receiving part (7) which is brought into engagement with the adjacent upper flanges (2) and/or lower flanges (3) to receive an active load incurred to the individual steel stocks (4) so as to inhibit the steel stocks (4) from displacing downward.

IPC 8 full level

E01D 21/00 (2006.01); **E01C 5/22** (2006.01); **E01D 15/133** (2006.01); **E01D 19/12** (2006.01); **E04B 5/02** (2006.01); **E04B 5/10** (2006.01); **E04C 3/292** (2006.01)

CPC (source: EP)

E01C 5/22 (2013.01); **E01D 15/133** (2013.01); **E01D 19/125** (2013.01); **E01D 21/00** (2013.01); **E04B 5/10** (2013.01); **E04C 3/292** (2013.01); E01D 2101/30 (2013.01)

Citation (search report)

- [X] WO 0131142 A1 20010503 - OLOFSSON LAGE [SE]
- [X] JP S57137509 A 19820825 - NITSUKAI GIKEN KK
- [A] US 2112949 A 19380405 - BUNKER HERBERT H
- [A] FR 777125 A 19350212

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 1600558 A1 20051130; **EP 1600558 B1 20071107**; DE 602004009896 D1 20071220; DE 602004009896 T2 20080911; DE 602004026937 D1 20100610; EP 1803852 A1 20070704; EP 1803852 B1 20100428

DOCDB simple family (application)

EP 04253102 A 20040526; DE 602004009896 T 20040526; DE 602004026937 T 20040526; EP 07008210 A 20040526