

Title (en)  
STEEL SUPPORT SYSTEM FOR ROOF CONSTRUCTIONS

Title (de)  
TRAGSYSTEM AUS STAHL FÜR DACHKONSTRUKTIONEN

Title (fr)  
SYSTÈME SUPPORT EN ACIER POUR CONSTRUCTIONS DE TOIT

Publication  
**EP 1991744 B1 20110420 (DE)**

Application  
**EP 07702405 A 20070126**

Priority  
• DE 2007000174 W 20070126  
• DE 102006010951 A 20060303

Abstract (en)  
[origin: WO2007098727A1] The aim of the present invention is to provide a support system for spans, preferably above 20 m, which can be flexibly adapted to different spans and requires only little effort of planning and production. Said aim is achieved by a support system that comprises several standard modules which are prefabricated, configured in a modular and standardized manner, interconnected and can be subjected to different loads. Two standard modules are embodied as support elements (1) of a framework structure with chords (5) and diagonals (6) consisting of hollow profiled elements of constant length, one standard module forming a central piece element (2, 2', 2'') made of a gridless, length-variable base module having a frame-type structure with chords (3, 3', 3'') and posts (4) of hollow profiled elements, each comprising the same components for different spans in order to adjust the required length of the central piece element (2, 2', 2'').

IPC 8 full level  
**E04C 3/08** (2006.01); **E04B 7/02** (2006.01)

CPC (source: EP)  
**E04B 7/022** (2013.01); **E04C 3/08** (2013.01); **E04C 2003/043** (2013.01); **E04C 2003/0491** (2013.01)

Cited by  
CN106639106A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102006010951 A1 20070906**; AR 059694 A1 20080423; AT E506501 T1 20110515; BR PI0708511 A2 20110531; BR PI0708511 B1 20171114; CL 2007000564 A1 20090123; DE 502007006990 D1 20110601; DK 1991744 T3 20110801; EP 1991744 A1 20081119; EP 1991744 B1 20110420; ES 2365053 T3 20110921; MY 145507 A 20120229; PL 1991744 T3 20110930; TW 200745425 A 20071216; TW I416000 B 20131121; UA 88746 C2 20091110; WO 2007098727 A1 20070907

DOCDB simple family (application)  
**DE 102006010951 A 20060303**; AR P070100840 A 20070301; AT 07702405 T 20070126; BR PI0708511 A 20070126; CL 2007000564 A 20070302; DE 2007000174 W 20070126; DE 502007006990 T 20070126; DK 07702405 T 20070126; EP 07702405 A 20070126; ES 07702405 T 20070126; MY PI20070312 A 20070228; PL 07702405 T 20070126; TW 96104827 A 20070209; UA A200811722 A 20070126