

Title (en)  
Frame construction

Title (de)  
Rahmenkonstruktion

Title (fr)  
Construction de cadre

Publication  
**EP 1840315 B1 20170419 (DE)**

Application  
**EP 07104322 A 20070316**

Priority  
DE 202006004606 U 20060321

Abstract (en)  
[origin: EP1840315A2] Each support consists of an angular element (AE) designed so that the support's two legs crosswise to the surface formed out of the frame sections (FS) encompass an elemental surface. AE legs facing the FS have a locking stay to engage in a locking groove on the FS. Outer (2) and inner (3) shells have locking grooves (5-7).

IPC 8 full level  
**E06B 3/54** (2006.01); **E06B 3/263** (2006.01)

CPC (source: EP)  
**E06B 3/5481** (2013.01); **E06B 2003/26394** (2013.01)

Citation (opposition)  
Opponent : HUECK System GmbH & Co. KG  
• DE 69529594 T2 20031218 - REYNOLDS ALUMINIUM BV [NL]  
• EP 1327739 A2 20030716 - PURSO OY [FI]  
• GB 2362676 A 20011128 - HARRISON KEITH ANTHONY [GB]  
• EP 1296015 A1 20030326 - REYNAERS ALUMINIUM NV [BE]  
• EP 0927809 A2 19990707 - SAPA AB [SE]  
• DE 1775890 A1 19711104 - SCHUERMANN & CO HEINZ [DE]  
• GB 2262127 A 19930609 - VINYLEX WINDOW SYSTEMS LTD [GB]  
• GB 2362676 A 20011128 - HARRISON KEITH ANTHONY [GB]  
• GB 2323116 A 19980916 - TAYLOR GRAHAM CHARLES [GB]  
• GB 2344372 A 20000607 - TAYLOR GRAHAM CHARLES [GB]  
• GB 2403979 A 20050119 - TAYLOR GRAHAM CHARLES [GB]  
• KATALOG DER FA. WILH. SCHLECHTERDAHL & SÖHNE, January 1979 (1979-01-01), pages 10-93 - 10-95, XP055453992  
• KARL-HEINRICH GROTE ET AL.: "Dubbel : Taschenbuch für den Maschinenbau", 2014, pages: G29, XP055454000

Cited by  
CN107905704A; DE102018107687A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 202006004606 U1 20060608**; EP 1840315 A2 20071003; EP 1840315 A3 20140312; EP 1840315 B1 20170419; EP 1840315 B2 20230215; EP 3196396 A1 20170726; EP 3196396 B1 20180815; PL 1840315 T3 20170929; PL 1840315 T5 20230529; PL 3196396 T3 20190131

DOCDB simple family (application)  
**DE 202006004606 U 20060321**; EP 07104322 A 20070316; EP 17155066 A 20070316; PL 07104322 T 20070316; PL 17155066 T 20070316