

Title (en)  
STACKABLE HINGE CONNECTION

Title (de)  
STAPELBARE SCHARNIERVERBINDUNG

Title (fr)  
DISPOSITIF DE LIAISON ARTICULÉE EMPILABLE

Publication  
**EP 3538236 B1 20210303 (EN)**

Application  
**EP 17794745 A 20171108**

Priority  
• EP 16197761 A 20161108  
• EP 2017078642 W 20171108

Abstract (en)  
[origin: WO2018087166A1] The present invention relates to a hinge connection comprising a male member applied on a base plate, and having protrusions provided to be hinged and resiliently fitted between a pair of female members applied on a further base plate. The male member of the hinge connection is being formed by two parallel male legs, wherein each leg comprises protrusions comprising cogs or cut teeth. The female member is formed by two parallel female legs and each of the female members comprises a through hole for engaging said protrusions of the male legs. The present invention further provides construction elements comprising the hinge connection members of the instant application. In a particular embodiment such construction elements are stackable, and allow the construction of complex three-dimensional structures without loss of flexibility.

IPC 8 full level  
**A61H 1/02** (2006.01)

CPC (source: EP KR US)  
**A61H 1/0292** (2013.01 - EP); **A63H 33/062** (2013.01 - EP KR US); **A63H 33/065** (2013.01 - EP KR US); **A63H 33/067** (2013.01 - US);  
**A63H 33/08** (2013.01 - EP KR US)

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

DOCDB simple family (publication)  
**WO 2018087166 A1 20180517**; CN 110139695 A 20190816; EP 3538236 A1 20190918; EP 3538236 B1 20210303; IL 266491 A 20190731;  
KR 20190095276 A 20190814; US 2019321741 A1 20191024

DOCDB simple family (application)  
**EP 2017078642 W 20171108**; CN 201780081900 A 20171108; EP 17794745 A 20171108; IL 26649119 A 20190506;  
KR 20197016107 A 20171108; US 201716348227 A 20171108