

Title (en)  
HETEROGENEOUS COMPOSITE CUSHIONING PACKING BOX AND HETEROGENEOUS COMPOSITE CUSHIONING STRUCTURE USED THEREBY

Title (de)  
HETEROGENE VERBUNDPOLSTERPACKUNGSSCHACHEL UND DABEI VERWENDETE HETEROGENE VERBUNDPOLSTERSTRUKTUR

Title (fr)  
BOÎTE D'EMBALLAGE D'AMORTISSEMENT COMPOSITE HÉTÉROGÈNE ET STRUCTURE D'AMORTISSEMENT COMPOSITE HÉTÉROGÈNE UTILISÉE PAR CETTE BOÎTE

Publication  
**EP 3514079 B1 20210120 (EN)**

Application  
**EP 19153154 A 20190122**

Priority  
TW 107102409 A 20180123

Abstract (en)  
[origin: EP3514079A1] A heterogeneous composite cushioning structure (1) includes an outer box (200) and a plurality of cushioning structures (100/101/102/103/104/105/106/107/108). The outer box (200) includes a bottom surface (210), a top surface (220), two first side surfaces (230), and two second side surfaces (240), where each first side surface (230) is connected to the bottom surface (210) and the second surface (240), the first side surfaces (230) are opposite to each other, and the second side surfaces (240) are opposite to each other. The top surface (210) is connected to the first side surfaces (230) and the second side surfaces (240). The bottom surface (210), one of the first side surfaces (230), and one of the second side surfaces (240) enclose a bottom angle accommodating area (251), and the top surface (210), one of the first side surfaces (230), and one of the second side surfaces (240) enclose a vertex angle accommodating area (253). The cushioning structures (100/101/102/103/104/105/106/107/108) are fastened in the vertex angle accommodating area (251) and the bottom angle accommodating area (253). The materials of the cushioning structures (100/101/102/103/104/105/106/107/108) are different from the material of the outer box (200). By means of a combination of supporting and cushioning structures, both supporting and cushioning effects can be provided. In addition, the use quantity of materials that are not environmental friendly is reduced, and the overall material costs and transportation costs can be reduced.

IPC 8 full level  
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