

Title (en)  
FRP PLATE FASTENING STRUCTURE

Title (de)  
BEFESTIGUNGSSTRUKTUR FÜR FRP-PLATTE

Title (fr)  
STRUCTURE DE FIXATION DE PLAQUE FRP

Publication  
**EP 3115124 A1 20170111 (EN)**

Application  
**EP 14889773 A 20140418**

Priority  
JP 2014061070 W 20140418

Abstract (en)  
Since a metal grommet (14) includes a grommet main body (18) and a washer (19), the grommet main body (18) includes a washer portion (18a) abutting against one surface of a FRP plate (13) and a collar portion (18b) formed integrally with the washer portion (18a) and fitted into a through hole (13a) of the FRP plate (13), and the washer (19) is latched onto an extremity of the collar portion (18b) and abuts against the other surface of the FRP plate (13), it is unnecessary to integrally mold the washer (19) by stretching the collar portion (18b) of the grommet main body (18), the thickness of the collar portion (18b) can be maintained by an amount corresponding thereto, thus enhancing the strength, and while preventing the thickness of the portion corresponding to the washer (19) from decreasing, a crack from occurring, and the strength from deteriorating, the area around the through hole (13a) of the FRP plate is sandwiched between the washer portion (18a) of the grommet main body (18) and the washer (19), which is a separate member, and it is thus possible to suppress the progress of detachment of fibers of the FRP plate (13) and enhance the durability.

IPC 8 full level  
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