

Title (en)  
Tension hoop for musical drum instrument

Title (de)  
Spannring für Schlagmusikinstrument

Title (fr)  
Cerceau de tension pour instrument de musique à percussion

Publication  
**EP 0854467 B1 20030416 (EN)**

Application  
**EP 98100563 A 19980114**

Priority  
JP 456997 A 19970114

Abstract (en)  
[origin: EP0854467A1] The musical drum instrument has a ring-shaped rim (16) with a rectangular cross sectional shape, made of a wooden material such as a plywood. The wooden rim (16) has a plurality of bolt retention sections (17) formed equidistantly around the periphery for supporting tensioning bolts (9). Tensioning bolt (9) is inserted through an opening on the rim surface (16a) formed on a depression section (17A) of each bolt retention section (17). The bolts (9) are engaged with the lugs (8) which are firmly attached to the outer periphery of the shell (1). The bolt heads (9a) of the tensioning bolts (9) are hidden inside the depression sections (17A), because the depth of the depression section (17A) is chosen so that the bolts do not extend beyond the end of the rim surface (16a). A bolt insertion hole (18) passes through the bottom surface of the bolt retention section (17) so as to enable inserting the bolt (9) through the depression section (17A) to be engaged with the lug (8). Because metallic couplers (7) are not used in the present drum, the number of parts are economically reduced. Also, the rim is able to produce natural vibrations enabling it to produce soft and simple sounds, characteristic of wood instruments.

IPC 1-7  
**G10D 13/02**

IPC 8 full level  
**G10D 13/02** (2006.01)

CPC (source: EP)  
**G10D 13/02** (2013.01); **G10D 13/16** (2020.02)

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**EP 0854467 A1 19980722; EP 0854467 B1 20030416**; DE 69813325 D1 20030522; DE 69813325 T2 20040212; JP H10198346 A 19980731

DOCDB simple family (application)  
**EP 98100563 A 19980114**; DE 69813325 T 19980114; JP 456997 A 19970114