

Title (en)

Acoustical ring and bell sound system

Title (de)

Akustischer Ring und Becher Schallanordnung

Title (fr)

Rondelle et coupe acoustique pour dispositif sonore

Publication

EP 0874350 A3 20000816 (EN)

Application

EP 98400971 A 19980421

Priority

- US 83775797 A 19970422
- US 6032598 A 19980415

Abstract (en)

[origin: EP0874350A2] An acoustical ring and bell sound system 10 for use with a variety 101, 102, 103 of musical wind instruments 100; wherein, the sound system comprises an acoustical ring element 21 and an acoustical bell element 31 dimensioned to releasably engage the proximal 104 and distal 105 ends of the musical instrument 100 for producing air turbulence control in the interior of the instrument 100. <IMAGE>

IPC 1-7

G10D 9/00

IPC 8 full level

G10D 9/00 (2006.01)

CPC (source: EP)

G10D 7/00 (2013.01); **G10D 9/11** (2020.02)

Citation (search report)

- [X] GB 2015802 A 19790912 - TOYAMA MUSICAL INSTRUMENT
- [A] EP 0055519 A1 19820707 - WINSLOW THOMAS W [US], et al
- [A] US 1342846 A 19200608 - SANTA EMMA PASQUALE
- [PA] US 5644095 A 19970701 - DAVIDSON JOHN R [US]
- [A] US 2530155 A 19501114 - DE LUCA ALBERT
- [A] US 3643538 A 19720222 - TOYAMA NOBUO

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AU743042B2; JP2017083611A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0874350 A2 19981028; EP 0874350 A3 20000816; EP 0874350 B1 20050615; CA 2235553 A1 19981022; DE 69830538 D1 20050721; DE 69830538 T2 20060511; ES 2244037 T3 20051201; JP H1145086 A 19990216

DOCDB simple family (application)

EP 98400971 A 19980421; CA 2235553 A 19980421; DE 69830538 T 19980421; ES 98400971 T 19980421; JP 14822098 A 19980422