

Title (en)  
RESONANT AND/OR VIBRATING BODY FOR SOUND GENERATORS

Publication  
**EP 0045462 A3 19841107 (DE)**

Application  
**EP 81105864 A 19810724**

Priority  
DE 3029065 A 19800731

Abstract (en)  
[origin: EP0045462A2] In resonant and/or vibrating bodies for sound generators, such as stringed and wind musical instruments, and in loudspeakers, there is the problem of achieving with a small outlay a rich fullness of sound and, in particular, a wide resonance spectrum that is well expressed in the relevant range of audibility. Elongated extension elements (V1, V1a, V1b, V2, V22, V1s, V2s; Vb) having a small cross-section, in particular also in a parallel arrangement and having a common base element (VF), as well as having a large ratio of longitudinal bending strength to mass, effect, when in shear-proof connection with a two-dimensional or bar-shaped resonant and/or vibrating body (RB), with respect to the standing vibrations in the longitudinal direction of the extension elements a predominant stiffening or emphasis of higher frequencies, and with respect to the vibrations in the transverse direction of the extension elements a predominant, additional emphasis of lower frequencies. The application also covers, in particular, sounding boards of mechanised stringed or plucked instruments having bridge-shaped extension elements.

IPC 1-7  
**G10D 3/02**; **G10C 3/06**

IPC 8 full level  
**G10C 3/06** (2006.01); **G10D 3/02** (2006.01); **H04R 7/02** (2006.01)

CPC (source: EP)  
**G10C 3/06** (2013.01); **G10D 3/02** (2013.01)

Citation (search report)

- US 4056034 A 19771101 - KAMAN CHARLES H
- DE 2654367 A1 19770630 - STETSON KARL A
- DE 51651 C
- DE 209932 C
- FR 2155405 A5 19730518 - BOLIN GUSTAV

Cited by  
US4836076A; EP0562852A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0045462 A2 19820210**; **EP 0045462 A3 19841107**; DE 3029065 A1 19820225; JP S5758192 A 19820407

DOCDB simple family (application)  
**EP 81105864 A 19810724**; DE 3029065 A 19800731; JP 12060281 A 19810731