

Title (en)  
Acoustical device, particularly aerophone

Title (de)  
Akustische Vorrichtung, insbesondere Aerophon

Title (fr)  
Appareil acoustique, particulièrement aérophone

Publication  
**EP 1596360 A1 20051116 (DE)**

Application  
**EP 05009956 A 20050506**

Priority  
• DE 102004023520 A 20040510  
• US 56965404 P 20040510

Abstract (en)  
The modified mouthpiece (100) for a trumpet or other brass instrument has a tapered shaft (122) fitting into the end of the trumpet tube. The mouthpiece has a bell-shaped end (123) forming the embouchure, which may be rotationally symmetrical or slightly asymmetrical. The width of the rim (Randbreite) and its contour (Randkontur) are specified. A gently-tapering passage (124) leads from the embouchure toward the mouthpiece end of the trumpet tube. The tapering passage has a polygonal especially heptagonal cross-section. The regular heptagon has straight sides. It gradually increases in size from the embouchure toward the trumpet and is spiral-twisted to form a very coarse thread.

Abstract (de)  
Die Erfindung betrifft eine Akustische Vorrichtung, insbesondere Aerophone mit einem Resonator, wobei der Resonator eine Wandung aufweist, dadurch gekennzeichnet, dass die Wandung wenigstens in Teilabschnitten eine gedrahte Oberfläche, insbesondere eine Innenoberfläche umfasst.  
<IMAGE>

IPC 1-7  
**G10D 7/00; G10D 9/02**

IPC 8 full level  
**G10D 7/00** (2006.01); **G10D 9/02** (2006.01)

CPC (source: EP)  
**G10D 9/03** (2020.02)

Citation (search report)  
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