

Title (en)  
PIEZOELECRIC VIBRATION EXCITER

Title (de)  
PIEZOELEKTRISCHER SCHWINGUNGSRERGER

Title (fr)  
EXCITATEUR DE VIBRATIONS

Publication  
**EP 1172019 A2 20020116 (EN)**

Application  
**EP 00927419 A 20000428**

Priority  
• GB 0001485 W 20000428  
• GB 9910216 A 19990429

Abstract (en)  
[origin: WO0067525A2] A curved piezoelectric device (13) is attached to a plate (11) to vibrate the plate. Mass-loading is applied to at least one free end (14) of the piezoelectric device to increase output.

IPC 1-7  
**H04R 17/00**

IPC 8 full level  
**H04R 17/00** (2006.01); **H10N 30/20** (2023.01); **H04R 7/04** (2006.01); **H04R 7/26** (2006.01)

CPC (source: EP)  
**H04R 17/00** (2013.01); **H04R 7/045** (2013.01); **H04R 7/26** (2013.01)

Cited by  
DE102021213003A1

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DOCDB simple family (publication)  
**WO 0067525 A2 20001109**; **WO 0067525 A3 20010308**; AU 4582400 A 20001117; CN 1343438 A 20020403; DE 60005329 D1 20031023; EP 1172019 A2 20020116; EP 1172019 B1 20030917; GB 9910216 D0 19990630; JP 2002543727 A 20021217; TW 472497 B 20020111

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**GB 0001485 W 20000428**; AU 4582400 A 20000428; CN 00804709 A 20000428; DE 60005329 T 20000428; EP 00927419 A 20000428; GB 9910216 A 19990429; JP 2000614776 A 20000428; TW 89108521 A 20000504