

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

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)
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

DOCDB simple family (application)
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