

Title (en)  
**MICROPHONE APPARATUS**

Publication  
**EP 0429264 A3 19920304 (EN)**

Application  
**EP 90312516 A 19901116**

Priority  
JP 30169989 A 19891120

Abstract (en)  
[origin: EP0429264A2] A microphone apparatus using a non-directional microphone and a directional microphone equalizes the pressure and vibration responses of the directional microphone located near a sound source to respective counterparts of the non-directional microphone, and processes signals to cancel acoustic noise and vibration noise generated from the sound source near the microphones. This microphone apparatus, when built in an appliance having an acoustic noise and vibration source within it, reduces acoustic noise, vibration noise, and wind noise, to prevent reduction of the S/N ratio at the time of sound pick up, enabling best-quality sound recording. <IMAGE>

IPC 1-7  
**H04R 3/00**; **H04R 1/08**

IPC 8 full level  
**H04N 5/225** (2006.01); **H04R 1/02** (2006.01); **H04R 3/00** (2006.01); **H04R 5/027** (2006.01)

CPC (source: EP KR)  
**H04R 3/005** (2013.01 - EP); **H04R 5/00** (2013.01 - KR); **H04R 2410/01** (2013.01 - EP); **H04R 2410/07** (2013.01 - EP)

Citation (search report)  
• [X] US 4442323 A 19840410 - YOSHIDA SATOSHI [JP], et al  
• [A] DE 3102530 A1 19811126 - VICTOR COMPANY OF JAPAN [JP]  
• [A] EP 0084982 A2 19830803 - RACAL ACOUSTICS LTD [GB]  
• [XP] IEEE TRANSACTIONS ON CONSUMER ELECTRONICS. vol. 36, no. 3, August 1990, NEW YORK US K. ONO ET AL.: 'NOISE-CANCELLING MICROPHONE FOR VIDEO CAMERAS'

Cited by  
EP1339055A3; EP1028601A3; US7054248B2

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**EP 0429264 A2 19910529**; **EP 0429264 A3 19920304**; JP H03162100 A 19910712; KR 910011082 A 19910629

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**EP 90312516 A 19901116**; JP 30169989 A 19891120; KR 900018825 A 19901120