

Title (en)
Loudspeaker drive unit.

Title (de)
Lautsprecher-Betreibereinheit.

Title (fr)
Unité de commande pour haut-parleur.

Publication
EP 0409429 A2 19910123 (EN)

Application
EP 90307020 A 19900627

Priority
• JP 8548989 U 19890720
• JP 18629089 A 19890719

Abstract (en)
The invention relates to a constant current drive speaker system in which a dynamic speaker is driven by a constant current amplifier. Generally, when the dynamic speaker is driven by a constant current, it is frequently observed that the vibrational system thereof cannot be damped satisfactorily near the low band resonance frequency. To remove this disadvantage, a damping coil (23) provided bodily with the vibrational system is terminated by a predetermined impedance and is provided within a magnetic gap of a magnetic circuit (25) provided independently of the magnetic circuit (15) of the vibrational system, thereby damping the vibration system. Alternatively, a voice coil bobbin is formed of a conductive material to form a short-circuited ring on which there is wound a voice coil. This speaker system is driven by a low frequency, whereby the vibrational system thereof is damped without electromagnetic coupling.

IPC 1-7
H04R 3/00; **H04R 9/06**

IPC 8 full level
H04R 3/00 (2006.01); **H04R 9/06** (2006.01)

CPC (source: EP)
H04R 3/002 (2013.01); **H04R 9/063** (2013.01)

Cited by
US5298245A; CN105069252A; CN102368281A; SG82078A1; CN104584585A; US6542617B1; WO9525413A1; EP2880872B1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0409429 A2 19910123; **EP 0409429 A3 19920318**

DOCDB simple family (application)
EP 90307020 A 19900627