

Title (en)  
Double-coil loudspeaker.

Title (de)  
Doppelpulenlautsprecher.

Title (fr)  
Haut-parleur à double bobine.

Publication  
**EP 0471990 B1 19950419 (DE)**

Application  
**EP 91112202 A 19910720**

Priority  
DE 4025591 A 19900813

Abstract (en)  
[origin: EP0471990A2] The invention specifies a double-coil loudspeaker which reproduces two audio signals of an in each case different frequency spectrum, the low-frequency range as in the conventional single loudspeaker and the voice range like an optimised double-coil loudspeaker. For this purpose, it is specified to arrange the compound windings (20, 21) above one another on the voice coil former (17). <IMAGE>

IPC 1-7  
**H04R 1/24; H04R 9/04**

IPC 8 full level  
**H04R 1/24** (2006.01); **H04R 3/00** (2006.01); **H04R 9/04** (2006.01)

CPC (source: EP)  
**H04R 1/24** (2013.01); **H04R 9/041** (2013.01)

Cited by  
EP1146771A1; FR2807262A1; WO2014175724A1; US9838794B2

Designated contracting state (EPC)  
BE DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0471990 A2 19920226; EP 0471990 A3 19920819; EP 0471990 B1 19950419**; DE 4025591 A1 19920220; DE 59105234 D1 19950524;  
JP H04234300 A 19920821

DOCDB simple family (application)  
**EP 91112202 A 19910720**; DE 4025591 A 19900813; DE 59105234 T 19910720; JP 21035291 A 19910729