

Title (en)  
Loudspeaker.

Title (de)  
Lautsprecher.

Title (fr)  
Haut-parleur.

Publication  
**EP 0610001 A2 19940810 (EN)**

Application  
**EP 94300426 A 19940120**

Priority  
JP 3433093 A 19930129

Abstract (en)  
A loudspeaker includes a diaphragm, a bobbin, a voice coil and a magnetic circuit. The diaphragm is formed of one of materials selected from paper, high molecular materials, metallic materials and cellulose. The bobbin is connected to the diaphragm and formed of cellulose produced by bacterial cultivation. The voice coil is wound on the bobbin. The magnetic circuit has a yoke, a plate and a permanent magnet and is arranged facing the voice coil. The loudspeaker has satisfactory acoustic properties and high fidelity in sound reproduction. <IMAGE>

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

IPC 8 full level  
**H04R 7/12** (2006.01); **H04R 9/04** (2006.01)

CPC (source: EP)  
**H04R 7/125** (2013.01); **H04R 9/04** (2013.01)

Cited by  
CN110505564A; US11138704B2; US10164230B2; WO2018223459A1; WO2018223466A1; US10708495B2

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DE FR GB

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