

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

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0610001 A2 19940810; EP 0610001 A3 19950118; EP 0610001 B1 20010926; DE 69428384 D1 20011031; DE 69428384 T2 20020613

DOCDB simple family (application)
EP 94300426 A 19940120; DE 69428384 T 19940120