Title (en)

Method of producing an acoustic diaphragm.

Title (de)

Verfahren zur Herstellung einer akustichen Membran.

Title (fr)

Procédé de fabrication d'une membane acoustique.

Publication

EP 0457474 B1 19950719 (EN)

Application

EP 91304093 A 19910507

Priority

JP 12681990 A 19900518

Abstract (en)

[origin: EP0457474A2] An acoustic diaphragm obtained by forming micro-fibrillated cellulose into a web by a process similar to a paper-making process is disclosed. the micro-fibrillated cellulose is the cellulose obtain by beating to a Canadian standard freeness of not more than 300 ml, or the bacterial cellulose. Since the micro-fibrillated cellulose has only poor wet strength, it is reinforced by a reinforcement element and, in this state, is formed into the web on a wire screen. The reinforcement element may be detached after forming the web, or may be left laminated with the cellulose web so that the resulting composite product is used as the acoustic diaphragm. <IMAGE>

IPC 1-7

H04R 7/02; H04R 31/00

IPC 8 full level

H04R 7/02 (2006.01); **H04R 31/00** (2006.01)

CPC (source: EP KR)

H04R 7/06 (2013.01 - KR); **H04R 7/12** (2013.01 - EP); **H04R 7/125** (2013.01 - EP); **H04R 31/003** (2013.01 - EP); H04R 2231/001 (2013.01 - EP); H04R 2307/021 (2013.01 - EP); H04R 2307/025 (2013.01 - EP); H04R 2307/029 (2013.01 - EP)

Citation (examination)

Standard TAPPI 227 m - 58 of the Technical Assiciation of the Paper and Pulp Industries revised Aug. 1958

Cited by

EP0610001A3; CN111918178A; US6059926A; EP0644706A1; US5933508A; EP0675667A3; US2018141009A1; US10618015B2; EP2390344A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0457474 A2 19911121; **EP 0457474 A3 19920916**; **EP 0457474 B1 19950719**; DE 69111297 D1 19950824; DE 69111297 T2 19960111; JP 2953743 B2 19990927; JP H0423597 A 19920127; KR 100230673 B1 19991115; KR 910021175 A 19911220

DOCDB simple family (application)

EP 91304093 A 19910507; DE 69111297 T 19910507; JP 12681990 A 19900518; KR 910007921 A 19910516