

Title (en)  
Microphone having a elastic suspension

Title (de)  
Mikrofon mit einer elastischen Lagerung

Title (fr)  
Microphone avec stockage flexible

Publication  
**EP 2589230 B1 20141015 (DE)**

Application  
**EP 12714606 A 20120329**

Priority  
• DE 102011006299 A 20110329  
• EP 2012055608 W 20120329

Abstract (en)  
[origin: WO2012130927A1] A microphone having a microphone capsule (10) and a microphone capsule suspension (20) is provided. The microphone capsule suspension (20) has a first and a second housing section (10, 30) and also a decoupling unit (40). In this arrangement, the microphone capsule (10) is mounted on the decoupling unit (40) for the purpose of decoupling structure-borne sound. The decoupling unit (40) is in turn attached to the first and/or second housing section (10, 30). The decoupling unit (40) has a shape alteration section which alters the shape under load. The decoupling unit has at least two arms, each of which has a first and a second end. The respective second ends have an attachment section for holding a microphone capsule. Each arm has a shape alteration section, which alters the shape under a first load, and an elastic section, which allows elastic deformation of length from a second load onwards.

IPC 8 full level  
**H04R 1/08** (2006.01)

CPC (source: EP US)  
**H04R 1/02** (2013.01 - US); **H04R 1/083** (2013.01 - EP US); **H04R 1/2892** (2013.01 - EP US)

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