

Title (en)  
Plastic grills for loudspeakers

Title (de)  
Lautsprecher-Kunststoffgitter

Title (fr)  
Grilles en plastique pour haut-parleurs

Publication  
**EP 0796032 A3 20020123 (EN)**

Application  
**EP 97200718 A 19970311**

Priority  
ES 9600598 A 19960312

Abstract (en)  
[origin: EP0796032A2] Of the type that incorporate a plurality of orifices (2 and 2'), and that furthermore include in their rear side a series of reinforcing ribs. It is characterized in that the reinforcing ribs are determined by a plurality of straight ribs (3) parallel and equidistant among them which are located at the space comprised between two lines of orifices, which are complemented and interlaced with some curved ribs (4) forming an "S" shape which run along a line of orifices, surrounding them alternatively. The arrangement of the ribs prevents them to be seen from outside, while simultaneously improve the mechanical resistance to breakage and the fidelity of sound. <IMAGE>

IPC 1-7  
**H04R 1/02**

IPC 8 full level  
**H04R 1/02** (2006.01)

CPC (source: EP)  
**H04R 1/023** (2013.01)

Citation (search report)

- [A] FR 2530985 A1 19840203 - ITW DE FRANCE [FR]
- [A] US 4887690 A 19891219 - PATEL BAKULESH B [US]
- [A] US 4395079 A 19830726 - YANO MASAYOSHI [JP], et al

Cited by  
JP2015019251A; CN108353220A; EP3358854A4; US9848255B1

Designated contracting state (EPC)  
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**EP 0796032 A2 19970917; EP 0796032 A3 20020123**; ES 2115524 A1 19980616; ES 2115524 B1 19990216

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