

Title (en)  
Side branch resonator.

Title (de)  
Nebenschluss-Resonator.

Title (fr)  
Résonateur branché en dérivation.

Publication  
**EP 0649982 A1 19950426 (DE)**

Application  
**EP 94114289 A 19940907**

Priority  
DE 4336112 A 19931022

Abstract (en)  
In order in the case of side branch resonator to achieve good damping (attenuation) of the suction noise cost effectively in a wide frequency range, the natural frequency of the resonator is adapted (matched) to the respective excitation frequency by automatically changing the geometry of its vibrating space (treadmill). For this purpose, the resonator is preferably designed as a bellows (4) having a defined spring characteristic. <IMAGE>

Abstract (de)  
Um bei einem Nebenschluß-Resonator kostengünstig in einem weiten Frequenzbereich eine gute Dämpfung des Ansauggeräusches zu erzielen, wird die Eigenfrequenz des Resonators durch selbsttätige Änderung seiner Schwingungsraumgeometrie an die jeweilige Anregungsfrequenz angepaßt. Hierzu ist der Resonator vorzugsweise als Faltenbalg (4) mit definierter Federkennlinie ausgeführt. <IMAGE>

IPC 1-7  
**F02M 35/12**; **G10K 11/16**

IPC 8 full level  
**F02M 35/12** (2006.01); **G10K 11/16** (2006.01); **G10K 11/172** (2006.01)

CPC (source: EP)  
**F02M 35/1222** (2013.01); **F02M 35/1255** (2013.01); **G10K 11/172** (2013.01)

Citation (search report)

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DE ES FR IT

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