

Title (en)

FILTER ELEMENT FOR A FILTER SYSTEM HAVING A RESONATOR STRUCTURE, AND FILTER SYSTEM HAVING A RESONATOR STRUCTURE

Title (de)

FILTERELEMENT FÜR EIN FILTERSYSTEM MIT EINER RESONATORSTRUKTUR UND FILTERSYSTEM MIT EINER RESONATORSTRUKTUR

Title (fr)

ÉLÉMENT FILTRANT POUR UN SYSTÈME DE FILTRATION COMPRENANT UNE STRUCTURE DE RÉSONATEUR ET SYSTÈME DE FILTRATION COMPRENANT UNE STRUCTURE DE RÉSONATEUR

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Application

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Abstract (en)

[origin: WO2022238158A1] The invention relates to a filter element (10) for a filter system (100), said filter element comprising a hollow-cylindrical filter bellows (12) which has a substantially closed base (18) on one end face (16), at least one element-side resonator structure (20) being formed on the base (18) in order to attenuate the noise of a flowing fluid, the element-side resonator structure (20) having, on the outside of the base (18), at least two grooves (22, 24) separated from one another by a separating wall (26), at least one of the two element-side grooves (22, 24) being fluidically connected to the interior (30) of the filter element (10) via an opening (28), which element-side resonator structure (20), when installed as intended in a filter housing (110) of the filter system (100), seals tightly with a complementary housing-side resonator structure (120).

IPC 8 full level

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