

Title (en)  
FILTER FOR FILTERING FLUIDS, FILTER BOWL AND FILTER HEAD

Title (de)  
FILTER ZUR FILTRIERUNG VON FLUIDEN, FILTERTOPF UND FILTERKOPF

Title (fr)  
FILTRE POUR FILTRER DES FLUIDES, POT À FILTRE ET TÊTE DE FILTRE

Publication  
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Application  
**EP 11770729 A 20111004**

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Abstract (en)  
[origin: WO2012025640A1] The invention relates to a filter (10) for filtering in particular liquid fluids, in particular fuel or oil, in particular of an internal combustion engine, comprising a filter bowl (14), in which a filter element (16) is arranged, and a filter head (18), which comprises an inlet and/or an outlet for the fluid. The filter head (18) and the filter bowl (14) are connected to each other by means of a detachable bayonet-like rotary/plug connection (24). The rotary/plug connection (24) comprises at least two cooperating catch components (26, 28), of which one is connected to the filter bowl (14) and the other to the filter head (18). One of the catch components (28) comprises at least one detent (48). One of the catch components (26) comprises at least one recess (58) corresponding to the detent (48) and has an insertion/removal region (60) for joining and separating the detent (48) and recess (58) without resistance and also has a closing region (64) with which the detent (48) engages in a bayonet-like manner. In order to implement a prestress of the detent (48) in the recess (58), a prestressing element (46) that acts between the filter head (18) and the filter bowl (14) is provided. Between the closing region (64) and the insertion/removal region (60), the recess (58) comprises a catch shoulder (70) for the detent (48), wherein said shoulder has a shoulder tip (72) on the side thereof which corresponds to the detent (48). On the side corresponding to the catch shoulder (70), the detent (48) comprises a catch tip (52).

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See references of WO 2012025640A1

Citation (examination)  
US 2008053884 A1 20080306 - MARSHALL JAMES N [US], et al

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