

Title (en)
MULTIPLE BARRIER FILTER APPARATUS

Title (de)
MEHRFACHSPERRFILTERVORRICHTUNG

Title (fr)
APPAREIL DE FILTRAGE A BARRIERE MULTIPLE

Publication
EP 1487560 A4 20050706 (EN)

Application
EP 03713845 A 20030304

Priority
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• US 36145402 P 20020304
• US 37487002 P 20020423

Abstract (en)
[origin: WO03076044A1] A filter apparatus is provided which includes a first filter membrane element (40a), and a second bacterial filter membrane element. The first viral filter element (40a) is capable of treating water at a first second flow rate and is adapted to remove contaminants which are larger than a first size, while the second bacterial filter element (40b) is capable of treating water at a secon, higher flow rate and is adapted to remove contaminants which are larger than a second contaminant size. The first and second filter elements (40a), (40b) may be commonly housed within a sealed housing. An accumulating vessel (60) is placed in fluid communication with an outlet of the first filter element (40a) and an outlet of the second filter element (40b). The filter apparatus includes a duck bill type check valve (75) made of an antimicrobial material intermediate the second filter element (40b) and a dispensing faucet (70).

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IPC 8 full level
B01D 29/21 (2006.01); **B01D 29/50** (2006.01); **B01D 35/30** (2006.01); **B01D 61/08** (2006.01); **B01D 61/10** (2006.01); **B01D 61/14** (2006.01); **B01D 61/18** (2006.01); **B01D 61/20** (2006.01); **C02F 1/44** (2006.01); **C02F 9/00** (2006.01); **E03B 7/07** (2006.01); **C02F 1/00** (2006.01)

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• [Y] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 09 31 October 1995 (1995-10-31)
• See also references of WO 03076044A1

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