

Title (en)
FILTER MEDIUM AND PRODUCTION METHOD, FILTER ELEMENT, USE OF THE FILTER ELEMENT AND WATER INJECTION SYSTEM

Title (de)
FILTERMEDIUM UND HERSTELLVERFAHREN, FILTERELEMENT, VERWENDUNG DES FILTERELEMENTS UND
WASSEREINSPIRATZSYSTEM

Title (fr)
MILIEU FILTRANT ET PROCÉDÉ DE FABRICATION, ÉLÉMENT FILTRANT, UTILISATION DE L'ÉLÉMENT FILTRANT ET SYSTÈME
D'INJECTION D'EAU

Publication
EP 3648865 A1 20200513 (DE)

Application
EP 18731793 A 20180612

Priority
• DE 102017006462 A 20170707
• EP 2018065454 W 20180612

Abstract (en)
[origin: WO2019007642A1] A filter medium (200, 300), in particular for the filtration of water, comprising at least one first layer (201, 301) as a support layer and a second layer (202, 302) as a filtration layer arranged downstream of the first layer (201, 301), wherein both the first layer (201, 301) and the second layer (202, 302) have at least one at least antibacterial active substance. A filter element, a use of the filter element and a method for producing the filter medium are also disclosed. The invention finally also relates to a water injection system having a filter element according to the invention.

IPC 8 full level
B01D 39/08 (2006.01); **B01D 39/16** (2006.01)

CPC (source: EP US)
A01N 25/34 (2013.01 - EP US); **A01N 55/02** (2013.01 - US); **B01D 39/083** (2013.01 - EP); **B01D 39/1623** (2013.01 - EP US);
B01D 46/0001 (2013.01 - EP US); **B01D 46/0028** (2013.01 - EP US); **B01D 46/10** (2013.01 - EP US); **B01D 46/521** (2013.01 - EP US);
C02F 1/004 (2013.01 - EP US); **C02F 1/50** (2013.01 - EP); **C02F 1/505** (2013.01 - US); **F02M 25/0222** (2013.01 - US);
F02M 25/0224 (2013.01 - US); **F02M 25/025** (2013.01 - US); **B01D 2239/0442** (2013.01 - EP US); **B01D 2239/0622** (2013.01 - EP US);
B01D 2239/0627 (2013.01 - EP); **B01D 2239/0654** (2013.01 - US); **B01D 2239/1258** (2013.01 - EP US); **B01D 2275/10** (2013.01 - EP US);
C02F 1/505 (2013.01 - EP); **C02F 2103/02** (2013.01 - EP US); **C02F 2303/04** (2013.01 - EP US); **C02F 2303/16** (2013.01 - EP);
C02F 2303/20 (2013.01 - EP)

Citation (search report)
See references of WO 2019007642A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102017006462 A1 20190110; CN 110831685 A 20200221; EP 3648865 A1 20200513; US 2020217275 A1 20200709;
WO 2019007642 A1 20190110

DOCDB simple family (application)
DE 102017006462 A 20170707; CN 201880045552 A 20180612; EP 18731793 A 20180612; EP 2018065454 W 20180612;
US 202016734490 A 20200106