

Title (en)
ASSEMBLED FILTERS FOR THE FILTRATION OF LIQUIDS

Title (de)
MONTIERTE FILTER ZUM FILTRIERN VON FLÜSSIGKEITEN

Title (fr)
FILTRES ASSEMBLES POUR LA FILTRATION DE LIQUIDES

Publication
EP 3288669 A1 20180307 (FR)

Application
EP 16725187 A 20160429

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Abstract (en)
[origin: WO2016174373A1] Membrane filter (1) comprising a plurality of ceramic honeycomb filter elements (2), each element comprising a plurality of parallel ducts (7) separated by walls (8) and open on a face (3) for introduction of the liquid to be filtered, an interstitial volume (6) between said filter elements (2), a filtration membrane arranged on the inner surface of the walls of the ducts (7), in which said filter elements are connected together by means of a curable material (4) that forms, after curing, a sleeve (9) in the form of a single part that firmly attaches, by sealing all of said filter elements (2) separated by the interstitial volume (6), said sleeve having a thickness e of between 1% and 10% of the length of the filter, and the curable material (4) being present in the open porosity and throughout the entire thickness of each porous wall (8) constituting the elements (2) over a non-zero minimum height h.

IPC 8 full level
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