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(71) Applicant: **EVONIK OPERATIONS GMBH** [DE/DE];
Rellinghauser Strasse 1-11, 45128 Essen (DE).

(72) Inventors: **HAY, Michael**; Hohebergstrasse 56a, 63150
Heusenstamm (DE). **KAEMMERER, Henning**; Maria-
Probst-Strasse 8, 63801 Kleinostheim (DE).

(74) Agent: **EVONIK PATENT ASSOCIATION**; c/o Evonik
Industries AG, IP Management, Bau 1042A, PB15, Paul-
Baumann-Strasse 1, 45772 Marl (DE).

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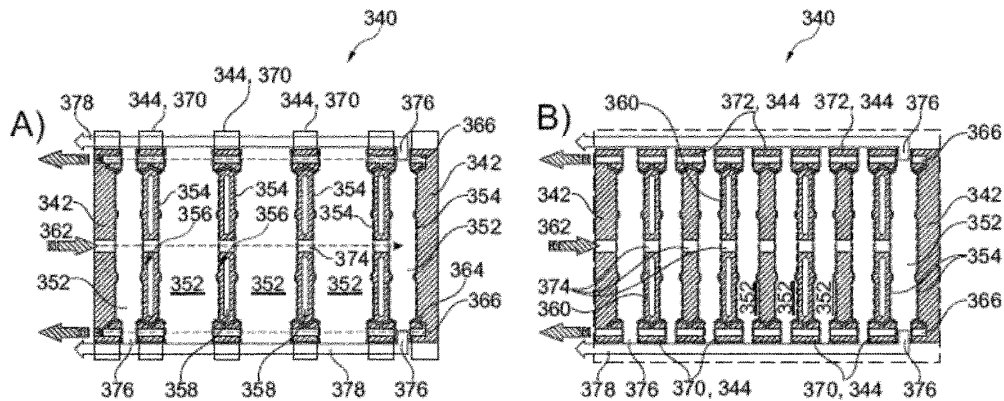


Fig. 3

(57) Abstract: Membrane filter press comprising two end elements and a plurality of filter elements, wherein a main space which is delimited from a rear back or filtrate space by a filter medium is in each case formed between two filter elements and associated frame sections, wherein at least one filter element is formed as a membrane filter element by two filter elements forming a main space and comprises a fluidizable interior which is delimited by at least one flexible membrane in the direction of the filter medium and wherein the main space has at least one feed channel for a substance mixture to be separated and the back or filtrate space comprises at least one filtrate channel for the filtrate, in particular at least one filtrate channel which leads to a collecting channel and wherein the main space comprises not only the feed channel but also at least one discharge opening, in particular a discharge opening arranged vertically above the feed channel. The invention further comprises a plant and a process for producing a solid product and/or valuable material.

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