

Title (en)

ELEMENT FOR SEPARATING A LIQUID MEDIUM WITH HIGH PARIETAL SHEAR STRESS

Title (de)

ELEMENT ZUR TRENNUNG EINES FLÜSSIGEN MEDIUMS MIT HOHER PARIETALER SCHERSpannung

Title (fr)

ELEMENT DE SEPARATION D'UN MILIEU LIQUIDE A CONTRAINTE DE CISAILLEMENT PARIETALE ELEVEE

Publication

**EP 4247524 A1 20230927 (FR)**

Application

**EP 21830448 A 20211119**

Priority

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Abstract (en)

[origin: CA3196863A1] The subject of the invention relates to a separating element comprising: - an inorganic one-piece rigid porous support (2) having, on one side, a first outer planar surface (3) and, on an opposite side, a second outer planar surface (4); - at least two circulation ducts (6) for the liquid medium that are formed in the porous support so as to each have a rectangular cross section; - at least one internal connection system for the distribution (10) of the liquid medium in a series of circulation ducts, and at least one internal connection system for the collection (12) of the retentate coming from the series of circulation ducts, the internal connection system for the distribution (10), the circulation ducts (6) and the internal connection system for the collection (12) being provided with at least one separating layer continuously deposited between the inlet (11) and the outlet (13) of the porous support; - and a collection system (7) for the permeate that has passed through the separating layer or layers.

IPC 8 full level

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