

Title (en)

CAPACITIVE DEVICE AND METHOD FOR THE ELECTROSTATIC TRANSPORT OF DIELECTRIC AND FERROELECTRIC FLUIDS

Title (de)

KAPAZITIVE VORRICHTUNG UND VERFAHREN ZUM ELEKTROSTATISCHEN TRANSPORT DIELEKTRISCHER UND FERROELEKTRISCHER FLUIDE

Title (fr)

DISPOSITIF CAPACITIF ET PROCÉDÉ DE TRANSPORT ÉLECTROSTATIQUE DE FLUIDES DIÉLECTRIQUES ET FERROÉLECTRIQUES

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Application

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Abstract (en)

[origin: WO2010003752A1] The invention relates to a method and to a device for conveying at least one heat-exchange medium (2,66) which has at least one first fluid (3,4,5), which has a first permittivity, and at least one second fluid (3,4,5), which does not mix with the first fluid (3,4,5) and has a second permittivity which differs from the first permittivity, wherein at least one dielectric interface (16) is formed between the first and second fluids (3,4,5), which dielectric interface (16) is subjected to an electrical thrust field (19) which is excited in a progressing fashion and which exerts a thrust (27') on the at least one dielectric interface (16).

IPC 8 full level

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