

Title (en)

A MEMBRANE PUMP HEAD FOR A HOMOGENIZER OR A HIGH-PRESSURE PUMP

Title (de)

MEMBRANPUMPENKOPF FÜR EINEN HOMOGENISATOR ODER EINE HOCHDRUCKPUMPE

Title (fr)

TÊTE DE POMPE À MEMBRANE POUR UN HOMOGENÉISATEUR OU UNE POMPE HAUTE PRESSION

Publication

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Application

EP 10746507 A 20100216

Priority

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Abstract (en)

[origin: WO2010098707A1] The disclosure relates to a membrane pump head (1) for a homogenizer or a high-pressure pump. The membrane pump head (1) comprises at least one pump head (1) enclosed in a pump housing (2). The membrane pump head (1) also includes a product chamber (3) with inlet (20) and outlet (7) for the product, as well as a hydraulic chamber (4) in which a piston (9) is disposed to operate. The product chamber (3) and the hydraulic chamber (4) are separated by a double membrane (5). The membrane (5) is oriented at 15-75 in relation to the longitudinal direction of the piston (9).

IPC 8 full level

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Citation (search report)

- [Y] US 2853015 A 19580923 - WILHELM PLEUGER FRIEDRICH
- [Y] EP 0460386 A1 19911211 - OTT KG LEWA [DE]
- [Y] DE 710320 C 19410910 - HENRI CORBLIN
- [A] DE 1061186 B 19590709 - KARL SCHLECHT DIPL ING
- See references of WO 2010098707A1

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