Title (en)
PUMP FOR TRANSPORTING A HEAT EXCHANGE MEDIUM FOR A MULTI-TUBE REACTOR

Title (de)
PUMPE ZUR FÖRDERUNG EINES WÄRMETAUSCHMITTELS FÜR EINEN KONTAKTROHRBÜNDELREAKTOR

Title (fr)
POMPE POUR ACHEMINER UN FLUIDE D'ECHANGE THERMIQUE POUR UN REACTEUR A FAISCEAU TUBULAIRE DE CONTACT

Publication
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Application
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Abstract (en)
[origin: US2004156721A1] The invention relates to a pump (1) having a pump guide tube (13) for the transport of a heat-exchange medium (6) for a reactor having a bundle of catalyst tubes (2), where the pump (1) has a casing (14) which surrounds the pump guide tube (13), having an aperture (15) in the lower part of the casing (14) via which the heat-exchange medium (6) discharged from the lower region of the reactor by means of the pump (1) flows into the casing (14), flows upward in the region between the inner wall of the casing (14) and the outer wall of the pump guide tube (13), if desired via a heat exchanger (18), flows into the interior of the pump guide tube (13) via an aperture (16) in the upper region of the pump guide tube (13), flows through the pump guide tube (13) from top to bottom and flows via an aperture (17) in the lower region of the pump guide tube (13) into the reactor, into the upper region of the interspace between the catalyst tubes (2).

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