

Title (en)

RECIRCULATING JET PUMP AND METHOD OF MOVING MATERIAL

Title (de)

R CKF HRUNGS-STRAHLPUMPE UND VERFAHREN ZUM BEWEGEN VON MATERIAL

Title (fr)

POMPE A JET RECYCLE ET PROCEDE SERVANT A DEPLACER DES MATERIAUX

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004010006A1] A recirculating liquid jet pump and related systems for moving and/or separating a wide variety of materials are described. The system is preferably equipped with a material collection reservoir enabling the placement of material to be suctioned into the collection reservoir without bringing together the material to be suctioned with the motive fluid of the liquid jet pump. The collection reservoir also maybe connected to a separate container for de-watering solid-liquid mixtures to enable mixture liquid to be separated from the solids without bringing the separated liquid into contact with the motive fluid of the jet pump and without the use of excessive amounts of jet pump motive fluid. The collection reservoir also may be connected to a controller and removal means for removing suctioned material from the collection reservoir concurrently with action of the liquid jet pump.

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