

Title (en)
MULTISTAGE EJECTOR PUMP.

Title (de)
MEHRSTUFIGE EJEKTORPUMPE.

Title (fr)
POMPE A EJECTEUR A PLUSIEURS ETAGES.

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Application
EP 93917751 A 19930805

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Abstract (en)
[origin: US5584668A] PCT No. PCT/EP93/02085 Sec. 371 Date Feb. 1, 1995 Sec. 102(e) Date Feb. 1, 1995 PCT Filed Aug. 5, 1993 PCT Pub. No. WO94/03733 PCT Pub. Date Feb. 17, 1994A multi-stage ejector pump for suction or for moving materials with the help of a working fluid within one housing is provided. The pump is designed for radial flow and includes at least one inlet for the working fluid, at least one inlet for the materials and at least one flow channel for the mixture of working fluid and materials. The pump includes at least one suction chamber per pump stage, each suction chamber being connected to a common antechamber with the intake of the materials at one end and the flow channel on the other. The flow channel is circular in shape and constructed for radially outward directed flow. The wall elements of the flow channel are comprised of ejector rings located concentrically to each other, adjacent ejector rings forming a passage for the materials between each suction chamber and the flow channel.

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