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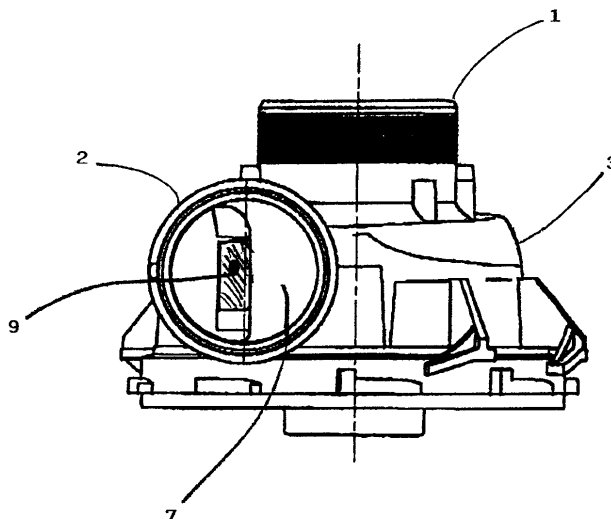
(54) **Improvement in a hydraulic centrifugal turbine pump**

(57) Centrifugal turbine pump comprising an intake conduit, a delivery conduit, a pumping chamber, an impeller housed in the pumping chamber and provided with a plurality of vanes, wherein said delivery conduit comprises a transition region extending from the inflow section to the discharge or outflow section thereof, wherein the cross-section area of said delivery conduit increases

along such transition region in a gradual, continuous manner.

The curve that represents the cross-section area of said transition region does not show any cusp point. In addition, the portion of the pumping chamber that houses the impeller is formed integrally, i.e. as a single-piece, unitary construction with said delivery conduit and the related transition region.

FIG. 7





European Patent
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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 24 January 2008	Examiner de Martino, Marcello
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