

Title (en)

CONTINUOUS FLOW MACHINE HAVING MULTIPLE GUIDE VANE STAGES AND METHOD FOR PARTIALLY DISASSEMBLING A CONTINUOUS FLOW MACHINE OF THIS TYPE

Title (de)

STRÖMUNGSMASCHINE MIT MEHREREN LEITSCHAUFELSTUFEN UND VERFAHREN ZUR TEILWEISEN DEMONTAGE EINER SOLCHEN STRÖMUNGSMASCHINE

Title (fr)

TURBOMACHINE À PLUSIEURS ÉTAGES D'AUBES DIRECTRICES ET PROCÉDÉ POUR DÉMONTER EN PARTIE UNE TELLE TURBOMACHINE

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Abstract (en)

[origin: WO2017148695A1] The invention relates to a continuous flow machine (1) comprising at least one annular guide vane carrier (2) and the partial disassembly thereof. The guide vane carrier (2), formed at least by a lower part (3) and an upper part detachably connected to same, comprises at least three guide vane stages (4a-d) retained on the inner circumference of the at least one guide vane carrier (2), arranged axially behind one another in the flow direction and each having a plurality of radially extending guide vanes (5). Each of the guide vanes (5) also comprises a guide vane blade (6), a base plate (7) and a top plate (8), wherein the guide vane blade (5) extends between the base plate (7) and top plate (8). According to the invention, via the arrangement of the securing pin (11) in an intermediate space (14) accessible in the assembled state, a partial disassembly of the individual guide vane stages (4a-d) is possible, independent of the remaining guide vane stages. The guide vane stages are conventionally mounted via retaining protrusions (9a, 9b) on neighbouring guide vane stages.

IPC 8 full level

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