

Title (en)
SYSTEM FOR GUIDING A VERTICAL SHAFT OF A ROTARY MACHINE, AND POWER-CONVERSION EQUIPMENT INCLUDING SUCH A SYSTEM

Title (de)
SYSTEM ZUM FÜHREN EINER VERTIKALEN WELLE EINER DREHMASCHINE UND LEISTUNGSUMWANDLUNGSANLAGE MIT EINEM SOLCHEN SYSTEM

Title (fr)
SYSTEME DE GUIDAGE D'UN ARBRE VERTICAL DE MACHINE TOURNANTE ET INSTALLATION DE CONVERSION D'ENERGIE INCORPORANT UN TEL SYSTEME

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Abstract (en)
[origin: WO2013053900A1] The invention relates to an adjustable system (150) for guiding the rotation of a shaft about a vertical axis, including skids (104), each of which is provided with a surface (1042) for forming a bearing with the shaft and, for each skid, a shim (106) provided with a cam surface (1062), the outline of which, in a plane that is radial relative to the vertical axis of rotation, is inclined (alpha) relative to said axis. Each skid (104) directly engages, via a portion (1046) of the outer radial surface (1044) thereof, with the cam surface (1062) of the shim (106). Equipment for converting hydraulic power into electrical power according to the invention includes a wheel that is rotatably secured to a shaft guided by such an adjustable system (150).

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