

Title (en)
ADIABATIC ROLL

Title (de)
ADIABATISCHE ROLLE

Title (fr)
CYLINDRE ADIABATIQUE

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Application
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Abstract (en)
[origin: US2007232471A1] The object of this invention is to fit heat-resistant rings and disks around a metal tub shaft without welding so as to assure excellent deformability in accordance with thermal expansion and shrinkage due to changes in temperature. An adiabatic roll of this invention comprises a metal tub shaft (1). A plurality of heat-resistant rings (2) is axially arranged at predetermined intervals between a fixed flange (5) and a movable flange (6) provided on a circumference of the metal tub shaft (1). A plurality of disks (7) is arranged between the heat-resistant rings (2). The heat-resistant rings (2) and the disks (7) are fitted around the metal tub shaft (1) without welding.

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