

Title (en)  
ADIABATIC ROLL

Title (de)  
ADIABATISCHE ROLLE

Title (fr)  
CYLINDRE ADIABATIQUE

Publication  
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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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