

Title (en)  
DEVICE FOR RECIRCULATING OIL IN ROLLING BEARINGS

Title (de)  
VORRICHTUNG ZUR RÜCKFÜHRUNG VON ÖL IN WALZENLAGERN

Title (fr)  
DISPOSITIF DE RECIRCULATION D'HUILE DANS DES PALIERS DE LAMINOIRS

Publication  
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Application  
**EP 04721488 A 20040318**

Priority

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Abstract (en)  
[origin: WO2004089559A1] The invention relates to a device for recirculating oil from the side surface (ST) of the rolling elements (WB) and the peripheral surface of the journal (WZ) of rolling mill rollers (W) located in the bearing of a bearing built-in piece (LES), wherein a sealing ring (DLR) arranged between the bearing elements and the side surface (ST) of the body of a roll (WB) is mounted on the journal (WZ). A first conical ring body (KRK1) with an outer conical surface, which is sealed against said ring body with an inner cylindrical surface, is seated on the outer surface of the sealing ring (DLR), the inclination of said conical surface extending from the side of the rolling elements (ST) in the direction of the axis of the roll (x-x). A second conical ring body (KRK2) fixedly arranged in the bearing casing with an inner conical surface which is spaced opposite the conical surface of the first conical ring body (KRK1), forms therewith a hydraulic pump gap (PS) delivering oil from the side of the rolling elements (ST).

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