

Title (en)
BEARING ARRANGEMENT AND ROLLING UNIT FOR A ROLLING-MILL ROLL

Title (de)
LAGERANORDNUNG UND WALZEINHEIT FÜR EINE WALZWERKSWALZE

Title (fr)
ENSEMBLE PALIER ET UNITÉ DE LAMINAGE POUR UN CYLINDRE DE LAMINOIR

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Application
EP 11799095 A 20111219

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Abstract (en)
[origin: WO2012084791A1] The invention relates to a bearing arrangement and a rolling unit for a rolling-mill roll. The bearing arrangement comprises a bearing housing, a bearing bush (120) rigidly installed in the bearing housing, a journal bush (130) rotatably supported in the bearing bush, a bearing device (140) for the roll journal, and a pressure shoulder ring arranged between the journal bush (130) and the bearing device (140). At least one feather key (150) is used to connect both the journal bush and the pressure shoulder ring (135) to the roll journal of the rolling-mill roll in a rotationally rigid manner. In order to further develop such a known bearing arrangement for a rolling-mill roll and a known rolling unit so that it is easier to remove the bearing arrangement from the roll journal, the bearing arrangement according to the invention has a coupling device between the journal bush (130) and the pressure shoulder ring (135) without or with only low stress.

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