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(54) **Rolling mill roll assembly**

(57) A rolling mill roll assembly comprises a support shaft having a tapered section leading from an abutment to an end section. A ring-shaped roll with inboard and outboard flanks and a cylindrical bore is axially mounted on the shaft with its inboard flank seated against the shaft abutment and with its cylindrical bore surrounding the tapered shaft section. A tapered sleeve is inserted between the tapered section of the shaft and the cylindrical bore of the roll, and a load ring is rotatably fixed with respect to and axially shiftable on the end section of the shaft. A resilient spacer is interposed between the load ring and the sleeve to yieldably maintain a gap between the load ring and the outboard flank of the roll. A roll retainer mounted on the end section of the shaft acts in an abutting relationship with the load ring and via the resilient spacer to close the gap and axially wedge the tapered portion of the sleeve between the tapered section of the shaft and the cylindrical bore of the roll. Bolt members threaded in through bores in the roll retainer are torqued to urge the load ring against the outboard flank of the roll, which in turn urges the outboard flank of the roll against the shaft abutment.

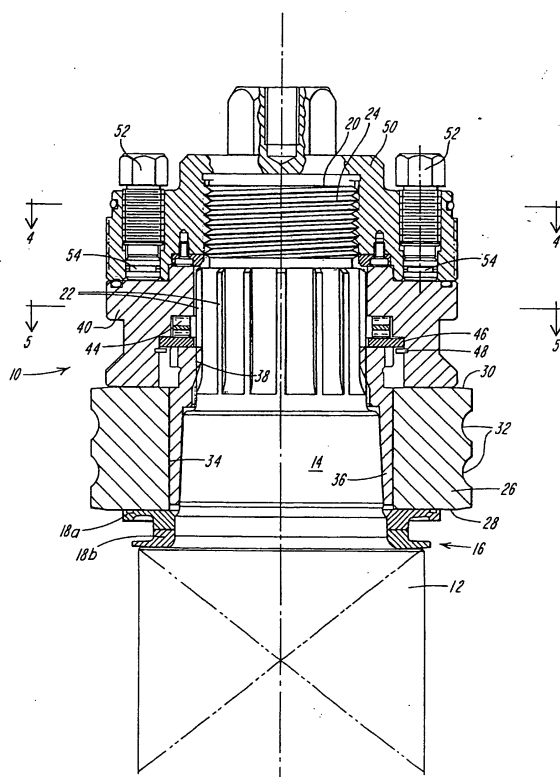


FIG. 1

EP 1 378 298 A3



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EUROPEAN SEARCH REPORT

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EP 03 01 2476

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The present search report has been drawn up for all claims			
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CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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