

Title (en)  
RING OF SPINNING MACHINE AND MANUFACTURING METHOD FOR THE RING

Title (de)  
RING EINER SPINNMASCHINE SOWIE VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)  
ANNEAU DE MÉTIER À FILER ET PROCÉDÉ DE FABRICATION DE L'ANNEAU

Publication  
**EP 3910097 A1 20211117 (EN)**

Application  
**EP 21169592 A 20210421**

Priority  
JP 2020083791 A 20200512

Abstract (en)  
A ring (11) of a spinning machine includes a sliding surface on which a traveler (12) slides, wherein the spinning machine is configured to wind a yarn (Y) through the traveler (12). The sliding surface has a texture having a plurality of recesses and a plurality of projections. Each projection has a curved shape and is located between adjacent recesses. The projection has a curvature radius of 40 to 400  $\mu\text{m}$ . A method for manufacturing the ring (11) includes a step for forming the sliding surface. The step for forming the sliding surface includes: a first step for forming a plurality of dimples in a surface of the ring (11); and a second step for rounding a peripheral edge of each dimple and/or a portion between adjacent dimples.

IPC 8 full level  
**D01H 7/60** (2006.01)

CPC (source: CN EP)  
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Citation (applicant)

- JP 2002510755 A 20020409
- JP S5910569 B2 19840309
- JP 5994721 B2 20160921
- JP S6149838 B2 19861031

Citation (search report)

- [YA] US 3084501 A 19630409 - ALBERT KLUTTZ WALTER
- [YA] GB 1322832 A 19730711 - EADIE BROS & CO LTD
- [A] EP 3009542 A1 20160420 - TOYOTA JIDOSHOKKI KK [JP]

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