

Title (en)  
Ring-traveler system of ring spinning machine

Title (de)  
Ringwagensystem einer Ringspinnmaschine

Title (fr)  
Système de curseur de machine à filer à anneaux

Publication  
**EP 2682508 A2 20140108 (EN)**

Application  
**EP 13173525 A 20130625**

Priority  
• JP 2012150492 A 20120704  
• JP 2013094011 A 20130426

Abstract (en)  
A ring-traveler system of a ring spinning machine is of a non-liquid lubrication type. The ring-traveler system includes a ring and a traveler that travels along the ring. A plurality of recesses and a plurality of flat ridges are arranged alternately on a surface portion of one of the ring and the traveler. The other one of the ring and the traveler slides on the surface portion when the traveler travels. Each of the recesses has a depth of 0.1 to 20  $\mu\text{m}$ . Each of the flat ridges has a width of 1 to 250  $\mu\text{m}$ .

IPC 8 full level  
**D01H 1/02** (2006.01); **D01H 7/60** (2006.01)

CPC (source: EP)  
**D01H 1/02** (2013.01); **D01H 7/602** (2013.01); **D01H 7/604** (2013.01)

Citation (applicant)  
• JP 2002510755 A 20020409  
• WO 2004035255 A1 20040429 - NEC MACHINERY CORP [JP], et al

Cited by  
EP3009542A1; EP2933362A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2682508 A2 20140108**; **EP 2682508 A3 20150527**; **EP 2682508 B1 20160713**; CN 103526357 A 20140122; CN 103526357 B 20160810; JP 2014029045 A 20140213; JP 5910569 B2 20160427

DOCDB simple family (application)  
**EP 13173525 A 20130625**; CN 201310273529 A 20130702; JP 2013094011 A 20130426