

Title (en)  
Residual-yarn removing device and picker member

Title (de)  
Restgarn-Entfernungsvorrichtung und Greifglied

Title (fr)  
Dispositif de retrait de fil résiduel et élément de prélèvement

Publication  
**EP 2031104 A3 20100106 (EN)**

Application  
**EP 08012482 A 20080710**

Priority  
JP 2007220616 A 20070828

Abstract (en)  
[origin: EP2031104A2] A picker member 20 that is inserted into a bobbin B has a plurality of tight contact portions 23 which are arranged in an inner circumferential direction of the bobbin B with a gap between the adjacent tight contact portions 23 and which are displaceable in a radial direction of the bobbin B between a reduced diameter state and an increased diameter state in which the tight contact portions 23 widen out in the radial direction compared to the reduced diameter state, and a coupling portion 24 that couples the plurality of tight contact portions 23 together (Fig.1).

IPC 8 full level  
**D01H 1/38** (2006.01)

CPC (source: EP)  
**D01H 1/385** (2013.01)

Citation (search report)

- [XDY] JP H11100171 A 19990413 - MURATA MACHINERY LTD
- [Y] US 3462934 A 19690826 - SCHULZ GUNTER, et al
- [Y] US 3714770 A 19730206 - ROTHKE E
- [A] US 3835633 A 19740917 - KLEIN K
- [AP] WO 2008031773 A1 20080320 - SIEMENS AG [DE], et al

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CN105110091A; CN105905686A; CN102704060A; EP3521489A1; CN110093694A

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

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2031104 A2 20090304; EP 2031104 A3 20100106**; CN 101376475 A 20090304; JP 2009051626 A 20090312

DOCDB simple family (application)  
**EP 08012482 A 20080710**; CN 200810136040 A 20080708; JP 2007220616 A 20070828