

Title (en)
Apron cradle for spinning frames

Title (de)
Riemchenkäfig für Spinnmaschinen

Title (fr)
Cage de support de lanière pour métiers à filer

Publication
EP 2130956 A1 20091209 (EN)

Application
EP 09161642 A 20090602

Priority
JP 2008145912 A 20080603

Abstract (en)
An apron cradle for a spinning frame of a double-spindle type apron draft device attached to a weighting arm (16). A support shaft (19) is supported by the weighting arm (16). A main cradle body (23) is supported by the support shaft (19) and supports top aprons (22). Bottom aprons (15) respectively correspond to the top aprons (22). A tensor bar (13) supports the bottom aprons (15) and is arranged facing toward the main cradle body (23). A shaft (26) arranged near a distal end of the main cradle body (23) supports adjustors (27, 27) laterally outward from the weighting arm (16). Each adjustor (27, 27) includes contact surfaces (27a, 27b, 27c, 27d) contactable with the tensor bar (13) so that a tensor interval between the apron cradle and tensor bar (13) is adjustable to vary a gap between distal portions of the top and bottom aprons.

IPC 8 full level
D01H 5/26 (2006.01); **D01H 5/86** (2006.01); **D01H 5/88** (2006.01)

CPC (source: EP)
D01H 5/26 (2013.01); **D01H 5/86** (2013.01); **D01H 5/88** (2013.01)

Citation (applicant)
• JP H11302930 A 19991102 - TOYODA AUTOMATIC LOOM WORKS
• JP H03113025 A 19910514 - MURATA MACHINERY LTD

Citation (search report)
• [X] DE 10234599 A1 20030213 - RIETER AG MASCHF [CH]
• [AD] DE 19916375 A1 19991021 - TOYODA AUTOMATIC LOOM WORKS [JP]
• [A] DE 10321893 A1 20041202 - SCHURR STAHLECKER & GRILL [DE]
• [A] EP 0450361 A1 19911009 - RIETER AG MASCHF [CH]
• [AP] EP 2034060 A1 20090311 - RIETER AG MASCHF [CH]

Cited by
CN107326483A; CN107354542A; CN101876110A

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