

Title (en)
Yarn traverse apparatus

Title (de)
Fadenchangiervorrichtung

Title (fr)
Dispositif de va-et-vient pour un fil

Publication
EP 0752384 A3 19970528 (EN)

Application
EP 96110606 A 19960701

Priority
• JP 18848995 A 19950701
• JP 18849095 A 19950701

Abstract (en)
[origin: EP0752384A2] A yarn traverse apparatus which prevents adjacent blades from interfering with each other and breaking even if blades of any of traverse mechanisms are out of phase and which allows the traverse mechanisms to be installed and removed easily. The yarn traverse apparatus includes a plurality of traverse mechanisms arranged so as to be adjacent to one another with respect to a plurality of juxtaposed bobbins. Each traverse mechanism has a set of two shafts arranged upstream of a corresponding bobbin. The two shafts are orthogonal to a shaft of the corresponding bobbin and rotate in opposite directions. Each of the two rotating shafts has blades attached thereto, the blades serving to traverse a yarn. Each traverse mechanism is arranged to form two surfaces of rotation when the blades attached to the set of two rotating shafts rotate. The plurality of such traverse mechanisms are arranged so that loci of rotation of the blades belonging to adjacent sets partially intersect. When yarns are traversed by such yarn traverse apparatus, surfaces of rotation formed by the blades attached to the two shafts of rotation of each of the adjacent traverse mechanisms are uniformly as well as sufficiently inclined with respect to a surface formed by a yarn in a single direction as viewed in vertical directions, so that the surfaces of rotation formed by the blades belonging to the adjacent sets will not interfere with each other. <IMAGE>

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B65H 54/28

IPC 8 full level
B65H 54/28 (2006.01)

CPC (source: EP KR)
B65H 54/2839 (2013.01 - EP KR); **D01H 7/606** (2013.01 - KR); **B65H 2701/31** (2013.01 - EP KR)

Citation (search report)
• [PX] WO 9602453 A1 19960201 - NEUMAG GMBH [DE], et al
• [AD] US 4505437 A 19850319 - SCHIPPERS HEINZ [DE], et al
• [AD] US 4505436 A 19850319 - SCHIPPERS HEINZ [DE], et al
• [AD] PATENT ABSTRACTS OF JAPAN vol. 017, no. 304 (M - 1427) 10 June 1993 (1993-06-10)

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EP1249421A1; EP2208699A3; DE102019000711A1

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EP 0752384 A2 19970108; EP 0752384 A3 19970528; EP 0752384 B1 20010718; CN 1075789 C 20011205; CN 1141875 A 19970205; CN 1218760 A 19990609; DE 69613913 D1 20010823; DE 69613913 T2 20011115; KR 970006572 A 19970221; TW 389800 B 20000511

DOCDB simple family (application)
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