

Title (en)  
Yarn suction device and yarn suction and cut device

Title (de)  
Fadenabsaugvorrichtung und Fadenabsaug- und Fadenschneidvorrichtung

Title (fr)  
Dispositif d'aspiration de fil et dispositif d'aspiration et de coupe de fil

Publication  
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Application  
**EP 99123526 A 19991125**

Priority  
• JP 33531798 A 19981126  
• JP 1121099 A 19990119

Abstract (en)  
[origin: EP1004534A2] The present invention provides a yarn sucking and cutting device in a yarn winding machine for traversing and winding a yarn that enables a yarn to be reliably sucked. A yarn suction device 13 comprises a suction port 14 of a yarn suction path 15 that is open so as to face a yarn traverse plane P for a yarn Y, and a yarn guide member 16 for advancing and withdrawing between a standby position E at which it does not intersect the traverse plane P and guide position F at which it intersects the traverse plane. The yarn guide member 16 comprises yarn guide surfaces 16c, 16c that each assume a position for leading the yarn from the traverse plane P to the vicinity of the suction port 14 when the yarn guide member 16 has advanced to the guide position 16. The yarn guide member 16 comprises a cover section 16a for closing the suction port 14 once the yarn guide member 16 has withdrawn to the standby position E. A common compresses air path 22 comprising an opening and closing valve 24 is connected to both an operation member 19 for moving the yarn guide member 16 forward using the force of supplied compressed air and a yarn suction path 15 for effecting suction through the suction port 14 using supplied compressed air. <IMAGE>

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**B65H 54/88**; **B65H 54/71**; **B65H 67/04**

IPC 8 full level  
**B65H 35/00** (2006.01); **B65H 54/71** (2006.01); **B65H 54/88** (2006.01); **B65H 67/04** (2006.01)

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