

Title (en)  
YARN FEEDING DEVICE

Title (de)  
FADENLIEFERGERÄT

Title (fr)  
DISPOSITIF D'ALIMENTATION EN FIL

Publication  
**EP 1040067 A1 20001004 (DE)**

Application  
**EP 98965279 A 19981217**

Priority  
• DE 19756243 A 19971217  
• EP 9808298 W 19981217

Abstract (en)  
[origin: DE19756243A1] A yarn-feeding device (F) has a stationary storage drum (2) for a yarn storage (V) which consists of adjacent windings of yarn (Y), a sensor (S) arranged outside the storage drum within a sensor housing (6) and having at least one movable feeler arm (A) which extends with a feeler foot (8a-8c) from its bearing (5) into the path of displacement of the windings along the storage drum and can be displaced by the windings from its base position, a spring arrangement (B) which pushes the feeler arm in the direction of its base position, and a signal-generating scanning device (T) for the position of the feeler arm. The spring arrangement (B) and the scanning device (T) are located on the same side of the bearing (5) as the part (7a-7c) of the feeler arm that carries the feeler foot (8a-8c). Mounting space is thus reduced, even when several sensor functions are ensured, and an extraordinarily compact sensor device can be obtained which can be universally used for different types of yarn-feeding devices.

IPC 1-7  
**B65H 51/22**

IPC 8 full level  
**B65H 51/22** (2006.01); **D03D 1/00** (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP KR US)  
**B65H 51/22** (2013.01 - KR); **D03D 47/367** (2013.01 - EP US); **B65H 2601/524** (2013.01 - EP US)

Citation (search report)  
See references of WO 9930998A1

Designated contracting state (EPC)  
BE CH DE IT LI NL SE

DOCDB simple family (publication)  
**DE 19756243 A1 19990624**; CN 1098798 C 20030115; CN 1099364 C 20030122; CN 1108270 C 20030514; CN 1282303 A 20010131; CN 1282304 A 20010131; CN 1285803 A 20010228; DE 59805134 D1 20020912; DE 59805136 D1 20020912; DE 59805557 D1 20021017; EP 1040067 A1 20001004; EP 1040067 B1 20020807; EP 1040069 A1 20001004; EP 1040069 B1 20020807; EP 1047819 A2 20001102; EP 1047819 B1 20020911; KR 100368459 B1 20030124; KR 100368460 B1 20030124; KR 20010033231 A 20010425; KR 20010033232 A 20010425; US 6409114 B1 20020625; WO 9930998 A1 19990624; WO 9930999 A1 19990624; WO 9931308 A2 19990624; WO 9931308 A3 19990819

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**DE 19756243 A 19971217**; CN 98812318 A 19981217; CN 98812320 A 19981217; CN 98813135 A 19981217; DE 59805134 T 19981217; DE 59805136 T 19981217; DE 59805557 T 19981217; EP 9808298 W 19981217; EP 9808299 W 19981217; EP 9808301 W 19981217; EP 98965279 A 19981217; EP 98966362 A 19981217; EP 98966967 A 19981217; KR 20007006640 A 20000616; KR 20007006641 A 20000616; US 58169300 A 20001002