

Title (en)  
YARN FEEDER

Title (de)  
FADENZUFUHRVORRICHTUNG

Title (fr)  
DISPOSITIF D'APPORT DE FIL

Publication  
**EP 1735488 A1 20061227 (EN)**

Application  
**EP 05739616 A 20050414**

Priority  
• EP 2005003954 W 20050414  
• SE 0400992 A 20040415

Abstract (en)  
[origin: WO2005100658A1] The lower surface (S) of a stopper housing (H) of a yarn feeder (F) is continuously flat and essentially parallel to a tangent on the storage region (6) at the location of the stop element (11), and is, at least in a partial region, equipped with an abrasion resistant surface. The yarn feeder comprises a stationary storage body (2) provided at a casing (1), a storage surface on the storage body, the storage surface consisting of storage regions (6) arranged in circumferential direction around a storage body axis (X), a rotatable winding element (3, 4) between the casing (1) and the storage body (2), a stopper housing (H) supported by the casing (1), the stopper housing (H) having the lower surface (S) located adjacent to the storage surface with a yarn passing gap between the lower surface (S) and one storage region (6), a stopping device received in the stopper housing, a stop element (11) of the stopping device being movable through the lower surface (S) and the yarn passing gap towards the storage region, and at least one optoelectronic sensor assembly (20, 22, 24) received in the stopper housing, the sensor assembly including at least one transparent protector (17, 18) located in the lower surface (S) in the neighbourhood of the stop element (11).

IPC 8 full level  
**B65H 51/22** (2006.01); **D03D 47/34** (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP)  
**B65H 51/22** (2013.01); **D03D 47/362** (2013.01); **D03D 47/363** (2013.01); **D03D 47/367** (2013.01)

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