

Title (en)
Yarn storing, feeding and measuring device.

Title (de)
Garnspeicher mit Messvorrichtung.

Title (fr)
Accumulateur de fil avec dispositif de mesure.

Publication
EP 0107110 A1 19840502 (EN)

Application
EP 83109818 A 19830930

Priority

- SE 8205598 A 19820930
- SE 8207098 A 19821210
- SE 8304891 A 19830913
- SE 8305040 A 19830920

Abstract (en)
The present invention relates to a yarn storing, feeding and measuring device (1), particularly for jet looms, having a stationary drum (2) onto which an intermediate yarn store is wound by a winding-on device (3) and from which the yarn (F) is withdrawn, yarn sensing means (6) detecting the withdrawal of the yarn from the drum generating pulse signals indicating that the yarn passes a detection area of the yarn sensing means (6), a plurality of yarn stopping devices (10) being arranged at angular intervals around the storage drum (2) and a control device (8) adjustable to desired yarn lengths to be withdrawn, said control device being responsive to said pulse signals such that an actuating signal is transmitted to a selected yarn stopping device (10) whose angular position corresponds to the position rendered by the yarn when said desired yarn length has been withdrawn. Prior art devices of the above mentioned type required a great number of yarn sensors, said great number resulting in high costs of said device. The present invention improves this state of art by a device in accordance with the above mentioned type, wherein the yarn sensing means consists of yarn sensors (6), the number thereof being lower than and independent from the number of yarn stopping devices (10), and wherein said

IPC 1-7
D03D 47/36

IPC 8 full level
B65H 51/22 (2006.01); **C07H 1/00** (2006.01); **C07H 19/10** (2006.01); **C07H 19/20** (2006.01); **C07H 21/04** (2006.01); **C12Q 1/68** (2006.01); **D03D 47/30** (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP)
D03D 47/362 (2013.01); **D03D 47/363** (2013.01); **D03D 47/367** (2013.01); **B65H 2557/33** (2013.01)

Citation (search report)

- [AD] DE 3123760 A1 19820225 - RUETI AG MASCHF [CH]
- [A] GB 986539 A 19650317 - SOBREVIN SOC DE BREVETS IND ET
- [A] BE 652881 A 19641231

Cited by
FR2567926A1; EP0561218A1; FR2568277A1; EP0247225A1; US4784189A; DE3628485A1; EP0253760A3; EP0164773A1; US4673004A; EP0264985A1; US4901772A; US4953597A; EP0189919A1; WO8905365A1; WO8801315A1

Designated contracting state (EPC)
BE CH DE FR IT LI

DOCDB simple family (publication)
EP 0148356 A2 19850717; **EP 0148356 A3 19890215**; **EP 0148356 B1 19901205**; DE 3371098 D1 19870527; DE 3382053 D1 19910117; EP 0107110 A1 19840502; EP 0107110 B1 19870422; JP H0359914 B2 19910912; JP H0555619 B2 19930817; JP H07100900 B2 19951101; JP H07102449 A 19950418; JP S59501830 A 19841101; JP S60500717 A 19850516; WO 8401394 A1 19840412

DOCDB simple family (application)
EP 84113290 A 19830930; DE 3371098 T 19830930; DE 3382053 T 19830930; EP 8300254 W 19830930; EP 83109818 A 19830930; JP 28277992 A 19921021; JP 50152684 A 19840222; JP 50315983 A 19830930