

Title (en)

METHOD FOR SORTING BOBBINS ON AN AUTOMATIC WINDING MACHINE

Publication

EP 0291712 B1 19910327 (DE)

Application

EP 88106303 A 19880420

Priority

DE 3716473 A 19870516

Abstract (en)

[origin: US4828191A] A method for sorting cheeses on an automatic winding machine includes predetermining a set-point value ratio of yarn length to cheese diameter. An actual value ratio of yarn length to cheese diameter is automatically measured. The measured values are automatically compared with the set-point values. Cheeses for which the actual value ratio of yarn length to cheese diameter is within a predetermined range of the set-point value ratio are automatically selected as quality cheeses.

IPC 1-7

B65H 61/00

IPC 8 full level

B65H 61/00 (2006.01); **B65H 63/00** (2006.01); **B65H 63/06** (2006.01); **B65H 63/08** (2006.01)

CPC (source: EP US)

B65H 61/00 (2013.01 - EP US); **B65H 63/00** (2013.01 - EP US); **B65H 63/06** (2013.01 - EP US); **B65H 63/082** (2013.01 - EP US);
B65H 2515/12 (2013.01 - EP US); **B65H 2551/20** (2013.01 - EP US); **B65H 2557/65** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Cited by

EP0847951A3; EP2042877A1; EP0875481A3; EP0816277A3; EP0816276A3; EP0335080A3; CN109573723A; EP3109194A1; CN106276400A;
EP0618166A1; US5399815A; CZ306486B6

Designated contracting state (EPC)

CH DE GB IT LI

DOCDB simple family (publication)

EP 0291712 A1 19881123; EP 0291712 B1 19910327; DE 3716473 A1 19881124; DE 3862154 D1 19910502; US 4828191 A 19890509

DOCDB simple family (application)

EP 88106303 A 19880420; DE 3716473 A 19870516; DE 3862154 T 19880420; US 19448888 A 19880516