

Title (en)  
WEFT-METERING DEVICE FOR A LOOM

Publication  
**EP 0243565 B1 19900418 (DE)**

Application  
**EP 86810317 A 19860715**

Priority  
CH 175486 A 19860429

Abstract (en)  
[origin: US4799517A] A weft yarn store (1) for looms (3) stores weft yarn (2), the yarn coming from a package disposed outside the store, on a stationary drum (13) having a first winding zone (135) and a second winding zone (136). While a first winder (12) winds yarn (21) on to a first winding zone (135) so that a yarn supply (21) is permanently available, the second winder (14) intermittently or variably unwinds yarn from the first winding zone towards a second winding zone (136). In a preferred operation of the store (1) together with a loom (3), yarn which is from the second winding zone (136) and which was deposited there by the second winder (14) is picked into the loom. After consumption of this supply and until the termination of the same pick, yarn is unwound directly from the supply in the first winding zone (135) by means of the second winder (14) and supplied to the loom (3) without intermediate storage. The second winder (14) is driven by an electric motor (144) whose operation is controlled by a control facility (15). Picking at low yarn tensions and with accurate metering of weft yarn length is therefore possible.

IPC 1-7  
**B65H 51/22; D03D 47/36**

IPC 8 full level  
**D03D 47/36** (2006.01)

CPC (source: EP US)  
**D03D 47/361** (2013.01 - EP US); **D03D 47/364** (2013.01 - EP US); **D03D 47/367** (2013.01 - EP US)

Cited by  
EP0330951A1; US5509450A; CN1063722C; US5546994A; DE19839272B4; EP0707102A3; US6257516B1; WO9325742A1; WO9737069A1; WO9528348A1; WO9323595A1

Designated contracting state (EPC)  
BE DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0243565 A1 19871104; EP 0243565 B1 19900418**; CH 669621 A5 19890331; DE 3670516 D1 19900523; JP S62263350 A 19871116; US 4799517 A 19890124

DOCDB simple family (application)  
**EP 86810317 A 19860715**; CH 175486 A 19860429; DE 3670516 T 19860715; JP 10347487 A 19870428; US 4109787 A 19870422