

Title (en)
APPARATUS FOR FEEDING YARN FROM A PLURALITY OF STACKS OF YARN FEEDERS TO A TEXTILE MACHINE

Title (de)
VORRICHTUNG ZUM ZUFÜHREN VON GARN AUS EINER VIELZAHL VON STAPELN VON GARNZUFÜHRERN AN EINE TEXTILMASCHINE

Title (fr)
APPAREIL D'ALIMENTATION DE FIL À PARTIR D'UNE PLURALITÉ DE PILES D'APPAREILS D'ALIMENTATION EN FIL DANS UNE MACHINE TEXTILE

Publication
EP 3792209 A1 20210317 (EN)

Application
EP 20191396 A 20200817

Priority
IT 201900016340 A 20190916

Abstract (en)
An apparatus comprising at least one stack of feeders (F1, F2, F3), each of which is provided with a motorized yarn winding reel (12) adapted to draw the yarn from a spool in order to feed it to a textile machine. The feeders (F1, F2, F3) are all connected electronically on a primary communication channel (32) in order to communicate bidirectionally with a central control unit (CU), are provided with electronic interconnection means (RXF, TXF) adapted to provide a secondary communication channel (34) which locally interconnects the feeders (F1, F2, F3) of the stack to one another, and are each programmed to communicate their own identification code (ID1, ID2, ID3) to the following yarn feeder in the stack by means of the secondary communication channel (34).

IPC 8 full level
B65H 51/22 (2006.01); **D04B 15/48** (2006.01)

CPC (source: CN EP)
B65H 51/22 (2013.01 - EP); **D04B 15/44** (2013.01 - CN); **D04B 15/48** (2013.01 - EP); **D04B 15/58** (2013.01 - CN); **D04B 15/99** (2013.01 - EP); **B65H 2701/31** (2013.01 - EP)

Citation (applicant)
• EP 2664569 A1 20131120 - LGL ELECTRONICS SPA [IT]
• IT 201900016340 A 20190916

Citation (search report)
• [YA] EP 2708625 A1 20140319 - LGL ELECTRONICS SPA [IT]
• [Y] US 5222218 A 19930622 - SMITH DON [US]
• [A] US 5862405 A 19990119 - FUKUDA ATSUO [JP], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3792209 A1 20210317; **EP 3792209 B1 20230510**; CN 112501773 A 20210316; IT 201900016340 A1 20210316

DOCDB simple family (application)
EP 20191396 A 20200817; CN 202010972906 A 20200916; IT 201900016340 A 20190916