

Title (en)

Method and apparatus for simultaneously feeding at least two yarns in double-cylinder circular knitting machines

Title (de)

Verfahren und Vorrichtung zum gleichzeitigen Zuführen von mindestens zwei Fäden an Doppeltzylinder-Rundstrickmaschinen

Title (fr)

Procédé et dispositif pour l'alimentation simultanée d'au moins deux fils dans des machines à tricoter circulaires à deux cylindres

Publication

EP 0960966 A2 19991201 (EN)

Application

EP 99109216 A 19990521

Priority

IT MI981178 A 19980527

Abstract (en)

A method and an apparatus for simultaneously feeding at least two yarns in double-cylinder circular knitting machines. The method comprises a step for feeding the needles (20) of the machine, by way of a yarn finger unit (1) having at least two dispensing points (10,15) for at least two yarns (4,5), with at least two yarns, with yarn dispensing points (10,15) located at substantially mutually identical vertical elevations; and a step for taking up the excess portion of the two yarns (4,5) at the end of the engagement of the yarns by the needles (20) of the machine. At the end of the feeding step and before the beginning of the take-up step, the yarn dispensing point (10) of one (5) of the two yarns is vertically staggered with respect to the dispensing point (15) of the other yarn (4) in order to vertically space one of the yarns (5) with respect to the other (4). <IMAGE>

IPC 1-7

D04B 15/58

IPC 8 full level

D04B 9/10 (2006.01); **D04B 9/46** (2006.01); **D04B 15/58** (2006.01)

CPC (source: EP KR)

D04B 9/04 (2013.01 - KR); **D04B 15/58** (2013.01 - EP)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0960966 A2 19991201; **EP 0960966 A3 20000712**; **EP 0960966 B1 20030502**; DE 69907318 D1 20030605; DE 69907318 T2 20040429; IT MI981178 A1 19991129; JP H11350315 A 19991221; KR 100580435 B1 20060515; KR 19990088550 A 19991227

DOCDB simple family (application)

EP 99109216 A 19990521; DE 69907318 T 19990521; IT MI981178 A 19980527; JP 14892999 A 19990527; KR 19990018966 A 19990526