

Title (en)

Sinker control apparatus for flat knitting machines

Title (de)

Platinensteuervorrichtung für Flachstrickmaschinen

Title (fr)

Appareil de commande de platine pour métiers à tricoter rectiligne

Publication

EP 2570532 A1 20130320 (EN)

Application

EP 11181580 A 20110916

Priority

EP 11181580 A 20110916

Abstract (en)

A sinker control apparatus (30) for flat knitting machines located on a transverse board (12) over a plurality of knitting needles (21) to drive parallel sinkers (22) hinged between the knitting needles (21) to rotate. The sinker control apparatus (30) includes a base (31), a linked movement portion (32) located on the base (31) to perform driving movements, a first control cam (33) and a second control cam (34) hinged on the linked movement portion (32), and a switching portion (35) coupled with the linked movement portion (32). The switching portion (32) includes at least one connection rod (351) connecting to the linked movement portion (32), a switching seat (352) coupled on the connection rod (351) and an elastic element (40) coupled around the connection rod (351) to provide a butting force to the switching seat (352) towards the transverse board (12). The switching seat (352) has a magnetic attracting portion (50) at one side facing the transverse board (12) to attract the transverse board (12) magnetically.

IPC 8 full level

D04B 15/06 (2006.01); **D04B 15/36** (2006.01)

CPC (source: EP)

D04B 15/06 (2013.01); **D04B 15/362** (2013.01)

Citation (applicant)

- US 5475990 A 19951219 - SCHMID FRANZ [DE], et al
- TW 446016 B
- CN 201288244 Y 20090812 - MAO MUQUAN [CN]
- CN 1544739 A 20041110 - FENG JIALIN [CN]

Citation (search report)

- [A] EP 0672769 A1 19950920 - SHIMA SEIKI MFG [JP]
- [AD] US 5475990 A 19951219 - SCHMID FRANZ [DE], et al

Cited by

CN108360132A; CN109537154A; CN104111622A; CN108589000A

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)

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