

Title (en)
NEEDLE SELECTING DEVICE FOR CIRCULAR KNITTING MACHINES.

Title (de)
NADELAUSWAHLVORRICHTUNG FÜR RUNDSTRICKMASCHINEN.

Title (fr)
DISPOSITIF DE SELECTION D'AIGUILLES POUR MACHINES A TRICOTER CIRCULAIRES.

Publication
EP 0185766 A4 19860904 (EN)

Application
EP 85902137 A 19850420

Priority
JP 7934784 A 19840421

Abstract (en)
[origin: WO8504910A1] A needle selecting device for circular knitting machines, including a plurality of fingers each of which is supported pivotably nearly at its center portion, and each of which is provided at its one end with a permanent magnet, and at the other end thereof with a pushing surface; and an U-shaped electromagnetic coil having S and N poles which are arranged vertically in opposition to the permanent magnet. When an electric current is applied to the electromagnetic coil selectively in the forward and backward directions in accordance with a certain plan, the fingers are moved pivotally, so that the pushing surfaces of the fingers and a finger-engageable butt of a jack engage each other selectively. That is, a lift cams in the circular knitting machine and a cam-engageable but of the jack engage each other selectively, thereby effecting knitting based on a predetermined pattern.

IPC 1-7
D04B 15/78

IPC 8 full level
D04B 15/78 (2006.01); **D04B 15/82** (2006.01)

CPC (source: EP)
D04B 15/78 (2013.01)

Citation (search report)

- [X] FR 1564603 A 19690425
- [A] DE 2106839 A1 19720907
- See references of WO 8504910A1

Cited by
EP0722007A1; US5647230A; GB2210631A; US7117696B2

Designated contracting state (EPC)
IT

DOCDB simple family (publication)
WO 8504910 A1 19851107; EP 0185766 A1 19860702; EP 0185766 A4 19860904; EP 0185766 B1 19891011; JP S60224845 A 19851109; JP S6314106 B2 19880329

DOCDB simple family (application)
JP 8500222 W 19850420; EP 85902137 A 19850420; JP 7934784 A 19840421