

Title (en)  
NEEDLE SELECTING DEVICE FOR CIRCULAR KNITTING MACHINES

Publication  
**EP 0185766 B1 19891011 (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 butt of the jack engage each other selectively, thereby effecting knitting based on a predetermined pattern.

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

CPC (source: EP)  
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Cited by  
GB2210631A; EP0722007A1; US5647230A; US7117696B2

Designated contracting state (EPC)  
IT

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**WO 8504910 A1 19851107**; EP 0185766 A1 19860702; EP 0185766 A4 19860904; EP 0185766 B1 19891011; JP S60224845 A 19851109; JP S6314106 B2 19880329

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