

Title (en)

CAM DEVICE FOR TRANSFER RECEIVING NEEDLE

Title (de)

NOCKENVORRICHTUNG FÜR TRANSFERAUFNAHMENADEL

Title (fr)

DISPOSITIF DE CAME POUR AIGUILLE DE RÉCEPTION DE TRANSFERT

Publication

EP 2372003 A1 20111005 (EN)

Application

EP 09830155 A 20091126

Priority

- JP 2009006374 W 20091126
- JP 2008306910 A 20081201

Abstract (en)

Provided is a cam device for the transfer receiving needle in which a rear butt smoothly passes a level difference portion, and which secures sufficient hanging margin on the cam face after the rear butt passes and can perform a reliable guidance. When a stitch transfer is performed by a carriage running leftward, a rear butt 7 of a knitting needle that serves as a receiving needle moves as shown as a trajectory 7H. For the transfer receiving cam 46 on the left side, the front end of the upper end of the rear butt 7 is hanged to the slope 46d and the rear end of the rear butt 7 is guided by the cam face 42b of the front edge of the intermediate cam 42c. The advance of the rear butt 7 pressurizes the slope 46d in opposition to the energizing force of a compression spring 47, and the transfer receiving cam 46 has the idle end side sunken and the upper end of the rear butt 7 is brought in contact with the surface 46c of the transfer receiving cam 46. Because the surface 46c sinks, in the vicinity of the top of the intermediate cam 42c, the level difference of the pathway of the rear butt 7 can be reduced or cancelled. When the rear butt passes the vicinity of the top portion, the rear butt comes in contact with the cam face 42b in the protruded state, and a sufficiently large hanging margin is able to be secured.

IPC 8 full level

D04B 15/36 (2006.01)

CPC (source: EP KR)

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