

Title (en)
Flat knitting machine.

Title (de)
Flachstrickmaschine.

Title (fr)
Machine à tricoter rectiligne.

Publication
EP 0424717 B1 19940330 (DE)

Application
EP 90119232 A 19901006

Priority
DE 3935763 A 19891027

Abstract (en)
[origin: JPH03152249A] PURPOSE: To most adequately and surely execute yarn treatment at a high operating speed by disposing movable sinkers between needles belonging to the sinkers and fixed loop-forming webs having loop forming edges extending at an angle to a knitted fabric drawing-out direction in a specific state. CONSTITUTION: The movable sinker 33 is disposed between a fixed loop-forming web 31 having the loop forming edge 35 extending at the acute angle with the knitted fabric drawing-out direction 34 viewed in the longitudinal direction of a needle bed and a needle (having a needle back surface 55 and needle head 49) belonging to the sinker 33. The edge 38 of the sinker affecting the yarn 40 is extended to the side lower than a projection 33.1 forming a bridge to cover a tooth mouth spacing 30 and to the rear of a knocking over edge 32. The edge 38 extends at an angle different from the angle that the loop forming edge 35 forms with the knitted fabric drawing-out direction 34 in the respective areas 38.1 and 38.2 and respective oscillation positions of the sinker 33.

IPC 1-7
D04B 7/04; **D04B 15/90**

IPC 8 full level
D04B 7/04 (2006.01); **D04B 15/06** (2006.01); **D04B 15/90** (2006.01)

CPC (source: EP US)
D04B 15/06 (2013.01 - EP US); **D04B 15/10** (2013.01 - EP US); **D04B 15/90** (2013.01 - EP US)

Cited by
EP1522618A1; EP0578458A1; EP2034063A1; CN112877886A; EP2251469A1; CN101886309A; EP0602622A1; US5475991A; WO9213126A1; WO9507382A3

Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
EP 0424717 A1 19910502; **EP 0424717 B1 19940330**; DE 3935763 A1 19910502; DE 3935763 C2 19930211; DE 59005182 D1 19940505; ES 2051431 T3 19940616; JP H03152249 A 19910628; JP H0633547 B2 19940502; US 5138849 A 19920818

DOCDB simple family (application)
EP 90119232 A 19901006; DE 3935763 A 19891027; DE 59005182 T 19901006; ES 90119232 T 19901006; JP 28737890 A 19901026; US 60423990 A 19901029