

Title (en)
Flatbed knitting machine equipped with movable sinker

Title (de)
Flachstrickmaschine mit beweglicher Platine

Title (fr)
Machine à tricoter à plateau équipé d'une platine mobile

Publication
EP 2789718 B1 20161109 (EN)

Application
EP 14020048 A 20140407

Priority
JP 2013080597 A 20130408

Abstract (en)
[origin: EP2789718A1] [Problem to be solved] To provide a flatbed knitting machine equipped with movable sinkers, which can prevent increase in stress amplitude of a torque spring when the sinkers are opened and closed even when the movable sinkers are controlled directly by a sinker cam mounted on a carriage. [Solution] A biasing cam surface 13a presses a leading end 12a of a torque spring 12 of which base end 12b is set to a portion between a support receive part 11a and a function arm 11b of a sinker 11 so as to bias the sinker 11 through the torque spring 12. The pressing force can be weakened in an opened state even when it is strengthened in a closed state. A stress of the torque spring 12 in the opened state also does not become larger than that in the closed state, so that an increase in the stress amplitude of the torque spring 12 is prevented when the sinker is opened and closed even with each movable sinker 10 controlled directly by the sinker cam mounted on the carriage.

IPC 8 full level
D04B 15/06 (2006.01); **D04B 15/36** (2006.01)

CPC (source: EP KR)
D04B 15/06 (2013.01 - EP KR); **D04B 15/10** (2013.01 - KR); **D04B 15/36** (2013.01 - EP); **D04B 15/362** (2013.01 - KR);
D04B 15/90 (2013.01 - EP)

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