

Title (en)  
Improved circular knitting machine

Title (de)  
Verbesserte Rundstrickmaschine

Title (fr)  
Machine améliorée pour tricoter en circulaire

Publication  
**EP 1559821 A1 20050803 (EN)**

Application  
**EP 04001386 A 20040122**

Priority  
EP 04001386 A 20040122

Abstract (en)  
An improved circular knitting machine aims to provide an improved structure and installation for cams. It includes a saddle plate (10) forming an angle to the horizontal surface with the cams mounting thereon in an inclined manner, and a sinker drum (50) surrounded by the saddle plate. The sinker drum has an inclined surface (52) formed in a continuous circular ring in the shape of a conical shallow tray so that the sinker drum has a concave surface. The sinker drum has sinker troughs (51) formed thereon for housing sinkers (40) in an inclined manner. The cam has one end fastened to the saddle plate (10) in an inclined manner and the other end forming a convex surface to be in contact with the concave surface. The cam (20) has a driving path formed on the bottom side thereof to allow the sinkers (40) to be movable therein. The sinker drum (50) may be rotated to drive the sinkers (40) to move smoothly in the cam (20). <IMAGE>

IPC 1-7  
**D04B 15/32**

IPC 8 full level  
**D04B 15/06** (2006.01); **D04B 15/32** (2006.01); **D04B 15/34** (2006.01)

CPC (source: EP)  
**D04B 15/06** (2013.01); **D04B 15/327** (2013.01); **D04B 15/34** (2013.01)

Citation (search report)

- [X] EP 0402034 A1 19901212 - PRECISION FUKUHARA WORKS LTD [JP]
- [A] FR 2639659 A1 19900601 - LU SA HO [TW]
- [A] EP 0478855 A1 19920408 - PRECISION FUKUHARA WORKS LTD [JP]

Cited by  
CN102877206A; CN105624904A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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