Title (en)
Loop forming and loosening mechanism and sinkers thereof for circular knitting machines

Title (de)
Schleifenbildungs- und -lösungsmechanismus und entsprechende Platinen für Rundstrickmaschinen

Title (fr)
Mécanisme de formation de boucles et de relâchement et platines correspondantes pour machines de tricotage circulaire

Publication
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Application
EP 11181629 A 20110916

Priority
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Abstract (en)
A sinker (3) includes a sliding segment (31) with a sliding portion (310) slidably located in a sinker groove (11), a loop forming and loosening ancillary segment (32) extended upwards from one side of the sliding portion (310) and then extended outwards, a passive segment (30) located above the sliding segment (31) and driven by a cam (20), and an indented abrasion-reducing space (33) located at a lateral side of the sliding portion (310) and below the loop forming and loosening ancillary segment (32). Through the abrasion-reducing space (33), the loop forming and loosening ancillary segment (32) can move directly and horizontally above a needle cylinder (4). The loop forming and loosening mechanism for circular knitting machines of the invention can simplify fabrication of the needle cylinder (4), reduce labor and material costs, improve quality and production yield of the needle cylinder (4), and also reduce abrasion of the sinker (3), thus can improve performance of the mechanism and enhance lifespan of the sinker (3).

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
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