

Title (en)
SEQUIN FEEDER

Title (de)
PAILLETTENZUFUHRGERÄT

Title (fr)
SYSTEME D'ALIMENTATION EN PAILLETTES

Publication
EP 1731652 A4 20120118 (EN)

Application
EP 05720260 A 20050308

Priority
• JP 2005003988 W 20050308
• JP 2004095411 A 20040329

Abstract (en)
[origin: EP1731652A1] Sequin strip (60), let out from a reel and then placed on the upper surface of a supporting plate (8), is fed at a predetermined pitch corresponding to a size of a sequin (S') of the strip. After a sewing needle (31) fits into a hole (61) of a leading sequin (S') as a needle bar (31) descends in accordance with sewing operation, a movable cutter blade cuts off the leading sequin (S') by being driven downward by abutment against the needle bar (31) or a member (32) movable with the needle bar (31). Sequin-cutting portion (27a) of the movable cutter blade (27) has a thickness smaller than a thickness of an abutting portion (27b) that abuts against the needle bar (31) or the member (32) movable with the needle bar (31), to secure an appropriate strength. For example, the movable cutter blade (27) is shaped such that the thickness of a particular region, corresponding to a needle drop position, of the movable cutter blade (27) is reduced, and that, when the movable cutter blade (27) is in a posture before abutting against the needle bar (31) or the member (32) movable with the needle bar, an upper region (u) of the thickness-reduced sequin-cutting portion (27a) is located below an uppermost region (T) of the abutting portion (27b) not reduced in thickness.

IPC 8 full level
D05C 7/08 (2006.01); **D05B 3/12** (2006.01); **D05B 35/08** (2006.01)

CPC (source: EP KR US)
D05B 3/12 (2013.01 - EP US); **D05C 7/08** (2013.01 - EP KR US); **D05D 2303/18** (2013.01 - EP KR US)

Citation (search report)
• [A] US 5562057 A 19961008 - LENSON HARRY [US]
• [A] EP 1209272 A1 20020529 - LAESSER FRANZ AG [CH]
• [A] WO 03064749 A1 20030807 - LANDONI GIANNINO [IT]
• See references of WO 2005093147A1

Designated contracting state (EPC)
DE GR IT TR

DOCDB simple family (publication)
EP 1731652 A1 20061213; EP 1731652 A4 20120118; CN 1926275 A 20070307; JP 2007222188 A 20070906; KR 100850413 B1 20080808; KR 20060113739 A 20061102; US 2008264316 A1 20081030; WO 2005093147 A1 20051006

DOCDB simple family (application)
EP 05720260 A 20050308; CN 200580006188 A 20050308; JP 2004095411 A 20040329; JP 2005003988 W 20050308; KR 20067012452 A 20060622; US 59945905 A 20050308