Title (en)

NEEDLE BLADE ROLL FOR QUASI-COTTON PRODUCING DEVICE

Title (de)

NADELMESSERROLLE FÜR QUASI BAUMWOLLE ERZEUGENDE VORRICHTUNG

Title (fr)

CYLINDRE A LAMES SOUS FORME D'AIGUILLES POUR UN DISPOSITIF DE PRODUCTION DE MATIERE SIMILAIRE A DU COTON

Publication

EP 1486603 A1 20041215 (EN)

Application

EP 03712780 A 20030319

Priority

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- JP 2002078489 A 20020320

Abstract (en)

A needle blade roll (12) for forming short fibers from a material capable of formation of artificial cotton in an artificial cotton fabricating apparatus is disclosed which is made up of a roll main body (13) and a large number of needle blades (14) implanted into a peripheral surface of the roll main body (13). In the needle blade roll (12), each needle blade (14) is arranged at a sloping angle relative to a radial line of the roll main body (13) so that its leading end lies ahead of the radial line with respect to the rotational direction of the roll main body (13). This makes it possible to form short fibers the length of which is longer than conventional, thereby fabricating artificial cotton made of such short fibers which are fully intertwined with one another. <IMAGE>

IPC 1-7

D04H 1/72; D04H 1/70; D01G 25/00; D01G 1/04

IPC 8 full level

D01G 1/04 (2006.01); **B65H 27/00** (2006.01); **D01G 15/88** (2006.01); **D04H 17/00** (2006.01)

CPC (source: EP US)

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