

Title (en)

Device for orienting the needles of an automatic sewing machine.

Title (de)

Orientiervorrichtung für die Nadeln einer automatischen Nähmaschine.

Title (fr)

Dispositif d'orientation des aiguilles sur une machine à coudre automatique.

Publication

EP 0317516 A1 19890524 (EN)

Application

EP 88830171 A 19880426

Priority

IT 2265787 A 19871117

Abstract (en)

The present invention relates to a device for orienting the needles of an automatic sewing machine, comprising means (1) adapted to operate in the end portion of the raising stroke of the needle bearing bar (2) to rotate through a half of turn, in a direction, and then relocate, in the other direction, a movable assembly including a rod (3), a clamp bearing block (4), clamp members (5) and the needles (6).

IPC 1-7

D05B 3/02

IPC 8 full level

D05B 3/02 (2006.01)

CPC (source: EP)

D05B 3/02 (2013.01)

Citation (search report)

- [XP] EP 0259278 A1 19880309 - CIUCANI MARIO
- [A] DE 258820 C
- [A] DE 166287 C

Designated contracting state (EPC)

AT BE DE ES FR GB GR NL

DOCDB simple family (publication)

EP 0317516 A1 19890524; IT 1226434 B 19910115; IT 8722657 A0 19871117

DOCDB simple family (application)

EP 88830171 A 19880426; IT 2265787 A 19871117