

Title (en)
Traverse device

Title (de)
Changiervorrichtung

Title (fr)
Dispositif de trancanage de fils

Publication
EP 0610571 B1 19970502 (DE)

Application
EP 93119865 A 19931209

Priority
DE 4304055 A 19930211

Abstract (en)
[origin: DE4304055C1] The pairs of rotors of the separate changing units (A-F) each have a roller possessing a first and second toothed wheel rim. A drive belt (25) goes around the toothed disc of the first rotor, and the first toothed wheel rim of the roller alternately, so that the toothed disc and first toothed wheel rim are driven by the drive belt in opposite rotational directions. A toothed belt goes around the toothed disc of the second rotor and the second toothed wheel rim of the roller. The pairs of rotors and rollers of the changing units are positioned alternately along a straight line (24). ADVANTAGE - The phase differences are reduced to a harmless amount by one of the pair of rotors being directly driven by the drive belt, and the other indirectly driven by a roller.

IPC 1-7
B65H 54/28

IPC 8 full level
B65H 54/28 (2006.01)

CPC (source: EP US)
B65H 54/2839 (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Designated contracting state (EPC)
BE CH DE GB IT LI

DOCDB simple family (publication)
DE 4304055 C1 19940324; DE 59306337 D1 19970605; EP 0610571 A1 19940817; EP 0610571 B1 19970502; JP H06298455 A 19941025; JP H0780626 B2 19950830; US 5544830 A 19960813

DOCDB simple family (application)
DE 4304055 A 19930211; DE 59306337 T 19931209; EP 93119865 A 19931209; JP 3304594 A 19940203; US 19100094 A 19940203