

Title (en)
Screwing device with feeding device

Title (de)
Schraubgerät mit einer Fördervorrichtung

Title (fr)
Appareil de vissage avec moyens d'alimentation

Publication
EP 0624435 B1 19960124 (DE)

Application
EP 94106628 A 19940428

Priority
DE 4315403 A 19930508

Abstract (en)
[origin: US5452630A] An automatic screw driving gun has a belt feeder mechanism (1) for advancing a screw supply belt (2) through a feeder housing (6) in response to the rotation of a screw drive shaft or blade (11, 28) . The belt feeder mechanism (1) has a feeder lever (12) coupled to the rotating screw drive blade (11, 28) through a coupling device including a rocker lever (16) and a toggle lever (18) for a stepwise advance of the belt (4) through the feeder housing perpendicularly to the screw drive shaft. A cam driven by the screw drive shaft advances the feeder lever with each blade rotation whereby the power of the drive motor is used for the belt advance thereby relieving the operator.

IPC 1-7
B25B 23/04

IPC 8 full level
B25B 23/04 (2006.01)

CPC (source: EP US)
B25B 23/045 (2013.01 - EP US)

Cited by
GB2317137A; GB2317137B

Designated contracting state (EPC)
AT CH DE FR IT LI SE

DOCDB simple family (publication)
US 5452630 A 19950926; AT E133362 T1 19960215; CA 2122871 A1 19941109; DE 4315403 A1 19941110; DE 59400094 D1 19960307; EP 0624435 A1 19941117; EP 0624435 B1 19960124; JP H06320437 A 19941122

DOCDB simple family (application)
US 23639294 A 19940502; AT 94106628 T 19940428; CA 2122871 A 19940504; DE 4315403 A 19930508; DE 59400094 T 19940428; EP 94106628 A 19940428; JP 9529994 A 19940509