

Title (en)
Device to convey parts for assembly

Title (de)
Vorrichtung für die Zuführung von Montageteilen

Title (fr)
Dispositif de transport pour des parties d'assemblage

Publication
EP 0672359 B2 20041208 (DE)

Application
EP 95102128 A 19950216

Priority
DE 4408694 A 19940315

Abstract (en)
[origin: EP0672359A2] The feed device has the assembly components for cooperating upper and lower tools of an assembly machine supplied along a feed channel via a feed rod (19) attached to a carriage (20), reciprocated in the feed direction by a central crank mechanism. Pref. the crank mechanism is positioned beneath the carriage between the front and rear reversal points, with the coupling between the crank mechanism and the carriage provided by a roller (23) moved along a curved cam slot (22) attached to the carriage.

IPC 1-7
A41H 37/00

IPC 8 full level
A41H 37/00 (2006.01); **A41H 37/04** (2006.01); **B30B 1/14** (2006.01)

CPC (source: EP KR US)
A41H 37/00 (2013.01 - EP KR US); **B30B 1/14** (2013.01 - EP KR US); **Y10T 74/18256** (2015.01 - EP US)

Citation (opposition)
Opponent :

- DE 2533020 A1 19770127 - STOCKO METALLWARENFAB HENKELS
- US 2735567 A 19560221
- DE 2651227 A1 19770512 - SCOVILL MANUFACTURING CO

Cited by
CN103504680A; CN103519467A

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

DOCDB simple family (publication)
EP 0672359 A2 19950920; EP 0672359 A3 19960619; EP 0672359 B1 19990407; EP 0672359 B2 20041208; BR 9501072 A 19951024; DE 4408694 C1 19951026; DE 59505550 D1 19990512; JP H07316911 A 19951205; KR 0151714 B1 19981015; KR 950030893 A 19951218; US 5588326 A 19961231

DOCDB simple family (application)
EP 95102128 A 19950216; BR 9501072 A 19950314; DE 4408694 A 19940315; DE 59505550 T 19950216; JP 8855295 A 19950310; KR 19950005105 A 19950313; US 40464695 A 19950315