

Title (en)  
Continuous strip pin header feeder

Title (de)  
Kontinuierliche Anspeisung von Pin-Konnektorblokstreifen

Title (fr)  
Alimentation continue en band de connecteurs rectilignes

Publication  
**EP 0755102 A3 19970813 (EN)**

Application  
**EP 96305354 A 19960722**

Priority  
US 50573895 A 19950721

Abstract (en)  
[origin: EP0755102A2] A programmable feeder system for handling a continuous strip of pin header stock. The feeder system responds to controller commands to advance the end of the pin header stock to a pin pulling station, pull a pin identified by the controller at the key position, cut a pin header to a programmed length, and hold the finished pin header at a pickup station for pickup by an insertion system. The feeder system includes a pin header strip drive apparatus including a timing belt having lugs spaced to match the strip pin pitch and engage the pins in the strip. A stepper motor drives the belt to advance the strip under controller command to position the pin to be pulled at a pulling station, and thereafter to advance the strip by a distance needed to provide the programmed header length. A cut/clamp station clamps the advanced strip portion and cuts the receptacle strip to separate the pin header from the continuous strip. <IMAGE>

IPC 1-7  
**H01R 43/20**

IPC 8 full level  
**H01R 43/20** (2006.01)

CPC (source: EP)  
**H01R 43/20** (2013.01)

Citation (search report)

- [A] US 4672735 A 19870616 - TAMANO MICHIO [JP], et al
- [A] US 4961527 A 19901009 - SAKAMOTO TERUO [JP]
- [A] US 4763400 A 19880816 - DECKERS WILLY [BE]
- [A] DE 3810975 A1 19891012 - SIEMENS AG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 310 (E - 1380) 14 June 1993 (1993-06-14)

Cited by  
CN104981141A; CN104960970A; KR101450191B1; DE102022107782B4

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

DOCDB simple family (publication)  
**EP 0755102 A2 19970122; EP 0755102 A3 19970813**

DOCDB simple family (application)  
**EP 96305354 A 19960722**