



(12) **United States Patent**
Kuo

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(54) **DEVICE FOR SEPARATING EJECTION WORKPIECES**

USPC 29/426.4, 426.5; 83/199, 200; 264/339, 264/334, 161; 225/93; 425/436 RM, 554; 429/66.1, 68

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See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 583 days.

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(51) **Int. Cl.**

B26F 3/02 (2006.01)

B29C 45/38 (2006.01)

(57) **ABSTRACT**

(52) **U.S. Cl.**

CPC . **B26F 3/02** (2013.01); **B29C 45/38** (2013.01); **Y10T 225/364** (2015.04); **Y10T 225/371** (2015.04)

A device is used for separating an ejection workpiece from a stub bar, and includes a fixing element, a clamp, and a mechanism arm. The fixing element fixes the stub bar. The clamp clamps the ejection workpiece. The mechanism arm connects the clamp and actuates the clamp to clamp the ejection workpiece and then rotates the clamp relative to the stub bar, such that the ejection workpiece is separated from the stub bar.

(58) **Field of Classification Search**

CPC .. B29C 45/38; B29C 45/382; Y10T 225/364; Y10T 225/386; Y10T 225/35; Y10T 225/393; Y10T 225/30; B26F 3/00

12 Claims, 3 Drawing Sheets

