

Title (en)  
APPARATUS AND METHODS FOR REEL HANDLING

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR SPULENHANDHABUNG

Title (fr)  
APPAREIL ET PROCÉDÉS POUR MANIPULATION DE ROULEAUX

Publication  
**EP 3814258 A1 20210505 (EN)**

Application  
**EP 19735466 A 20190619**

Priority  
• US 201862690819 P 20180627  
• US 2019037924 W 20190619

Abstract (en)  
[origin: WO2020005664A1] A multi-function reel change tool (10) is provided for use with a robotic arm (20), such as a collaborative robotic arm, for changing film rolls on packaging equipment. The tool includes a first part (18) capable of acquiring, cradling, transporting and depositing a partially full or full reel of material by contacting an outer periphery of the reel and a second part (22) capable of acquiring, cradling, transporting and depositing the core of a spent or partially spent reel of material by contacting the outer periphery of the core of the spent reel or material or the outer periphery of the material remaining on a partially spent reel. Preferably, but not necessarily, the tool has no independently moveable components.

IPC 8 full level  
**B65H 19/12** (2006.01)

CPC (source: EP)  
**B65H 19/123** (2013.01); **B65H 2301/41722** (2013.01); **B65H 2301/4186** (2013.01); **B65H 2402/35** (2013.01); **B65H 2405/462** (2013.01); **B65H 2555/30** (2013.01)

Citation (search report)  
See references of WO 2020005664A1

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DOCDB simple family (publication)  
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**US 2019037924 W 20190619**; AU 2019295562 A 20190619; AU 2023200930 A 20230217; CA 3102272 A 20190619; CN 201980038347 A 20190619; EP 19735466 A 20190619