

Title (en)  
LOADER APPARATUS FOR MACHINE WITH A MAGNETIC WORKPART DRIVER

Publication  
**EP 0109791 B1 19870902 (EN)**

Application  
**EP 83306685 A 19831102**

Priority  
US 44413082 A 19821123

Abstract (en)  
[origin: EP0109791A2] A loader apparatus is provided for a machine having magnetic workpart driver means. The loader apparatus includes a support plate with an access opening to receive the driver means and a workpart track with a load portion and unload portion. The apparatus also includes an injector/ejector means slidably mounted on the support plate intersecting the load/unload track. The injector/ejector means conveys a workpart from the load portion of the track to the driver means and then back to the track for discharge through the unload portion. The track is located in non-overlapping relation to the driver means to reduce residual magnetic forces on the workpart during removal from the driver means and discharge out the unload portion of the track. A fluid passage is provided in communication with the track to emit a fluid stream into the track toward the unload portion thereof to facilitate workpart discharge.

IPC 1-7  
**B24B 41/00**

IPC 8 full level  
**B23Q 3/152** (2006.01); **B23Q 7/05** (2006.01); **B23Q 7/06** (2006.01); **B24B 5/35** (2006.01); **B24B 41/00** (2006.01); **B24B 41/06** (2012.01)

CPC (source: EP)  
**B24B 5/355** (2013.01); **B24B 41/005** (2013.01); **B24B 41/061** (2013.01)

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

DOCDB simple family (publication)  
**EP 0109791 A2 19840530**; **EP 0109791 A3 19841017**; **EP 0109791 B1 19870902**; AU 2096483 A 19840531; BR 8306385 A 19840626; DE 3373284 D1 19871008; ES 527445 A0 19850501; ES 8504523 A1 19850501; JP S59146731 A 19840822; SE 456144 B 19880912; SE 8306425 D0 19831121; SE 8306425 L 19840524

DOCDB simple family (application)  
**EP 83306685 A 19831102**; AU 2096483 A 19831104; BR 8306385 A 19831121; DE 3373284 T 19831102; ES 527445 A 19831122; JP 21965183 A 19831124; SE 8306425 A 19831121