

Title (en)  
Safety ejector

Title (de)  
Sicherheitsauswerfer

Title (fr)  
Ejecteur de sécurité

Publication  
**EP 1389485 A1 20040218 (EN)**

Application  
**EP 02255662 A 20020814**

Priority  
• EP 02255662 A 20020814  
• US 21673502 A 20020813

Abstract (en)  
A safety ejector is formed from a flat base plate (10), which is stamped to provide an ejecting member (11) having a transverse top portion (111) and two longitudinal legs, two locating members (12) located at two outer sides of the ejecting member, and an actuating member (13) defined between the two legs of the ejecting member. After the ejecting and the actuating member are upward turned into a vertical position, the transverse portion of the ejecting member is flexibly bent downward to press at two outer ends against the two locating members (12) with a center thereof located on a lower hook portion of the actuating member (13). The upward turned ejecting and actuating members leave a space on the base plate to provide a runway. By lifting the actuating member, the bent transverse portion of the ejecting member is disengaged from the locating members to spring out and eject an article positioned on the runway. <IMAGE>

IPC 1-7  
**A63H 29/24**

IPC 8 full level  
**A63H 29/24** (2006.01)

CPC (source: EP US)  
**A63H 29/24** (2013.01 - EP US)

Citation (search report)  
• [A] US 4423871 A 19840103 - MUCARO SALVATORE A [US]  
• [A] US 4345402 A 19820824 - HANSON STEVEN P, et al

Cited by  
CN110711391A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**EP 1389485 A1 20040218**; US 2004033754 A1 20040219

DOCDB simple family (application)  
**EP 02255662 A 20020814**; US 21673502 A 20020813