

Title (en)  
Latch opener for a knitting machine

Title (de)  
Zungenöffner für eine Strickmaschine

Title (fr)  
Dispositif d'ouverture de clapet pour un métier à tricoter

Publication  
**EP 1087049 A2 20010328 (EN)**

Application  
**EP 00307938 A 20000913**

Priority  
JP 25816999 A 19990913

Abstract (en)  
A latch opener (11) comprises an opening section (1a,1b) for opening the closed latch of a knitting needle (7) and a holding section (2) for holding the opening section. The opening section is pivotally supported on the holding section (2) by means of a pivot pin (5) such that the opening section can move between an operational position (A), in which the latch is opened, and a non-operational position (B) in which the latch is not opened. At least one first magnet is secured to the opening section, and at least two magnets (4a,4b) are secured to the holding section (2). The magnet (4a) is secured to the holding section (2) so as to attract, in the operational position (A), the first magnet (3) secured to the opening section, and the magnet (4b) is secured to the holding section (2) so as to repel, in the non-operational position (B), the first magnet (3) secured to the opening section. <IMAGE> <IMAGE>

IPC 1-7  
**D04B 15/08**

IPC 8 full level  
**D04B 15/08** (2006.01)

CPC (source: EP)  
**D04B 15/08** (2013.01)

Cited by  
EP2196570A1; ITFI20090172A1; US7810357B2; WO2011013155A1

Designated contracting state (EPC)  
DE GB IT

DOCDB simple family (publication)  
**EP 1087049 A2 20010328; EP 1087049 A3 20030212; EP 1087049 B1 20070314**; DE 60033897 D1 20070426; DE 60033897 T2 20080110; JP 2001081654 A 20010327; JP 4177941 B2 20081105; TW 470094 U 20011221

DOCDB simple family (application)  
**EP 00307938 A 20000913**; DE 60033897 T 20000913; JP 25816999 A 19990913; TW 89215520 U 20000907