

Title (en)  
Combplate for an escalator or moving walkway

Title (de)  
Kammpatte für Fahrtreppe oder Fahrsteig

Title (fr)  
Plaque de réception pour escalier ou trottoir roulant

Publication  
**EP 1231177 A3 20030102 (DE)**

Application  
**EP 02001010 A 20020117**

Priority  
DE 20102251 U 20010209

Abstract (en)  
[origin: EP1231177A2] The escalator step (10) has a comb plate in its entry and exit area with comb segments, the teeth of which mesh with grooves in the step or pallet. On the comb segment (12) or on the comb plate one or more sound sensors (24) are connected, with which a breakage of a tooth can be ascertained. The sensor is arranged adjacently to the tooth root (26), particularly on the under side of the segment. The sensor is connected to an evaluation circuit, with which the output signal of the sensor can be evaluated. The frequency spectrum of the output signal is also determinable. An ultra-sound sensor is employed. It is continuously active during the operation of the step.

IPC 1-7  
**B66B 29/06**

IPC 8 full level  
**B66B 27/00** (2006.01); **B66B 29/06** (2006.01)

CPC (source: EP)  
**B66B 27/00** (2013.01); **B66B 29/06** (2013.01)

Citation (search report)  
[A] WO 9714644 A1 19970424 - LODERWAY PTY LTD [AU], et al

Cited by  
JP2017526594A; US9346654B2; WO2015183927A1

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

DOCDB simple family (publication)  
**EP 1231177 A2 20020814; EP 1231177 A3 20030102; EP 1231177 B1 20040714**; AT E271014 T1 20040715; CZ 2002493 A3 20021016; CZ 297158 B6 20060913; DE 20102251 U1 20010705; DE 50200605 D1 20040819; ES 2220837 T3 20041216

DOCDB simple family (application)  
**EP 02001010 A 20020117**; AT 02001010 T 20020117; CZ 2002493 A 20020208; DE 20102251 U 20010209; DE 50200605 T 20020117; ES 02001010 T 20020117