

Title (en)
ESCALATOR DEVICE

Title (de)
FAHRTREPPE

Title (fr)
ESCALIER MÉCANIQUE

Publication
EP 1333001 A1 20030806 (EN)

Application
EP 00956867 A 20000831

Priority
JP 0005946 W 20000831

Abstract (en)
An escalator apparatus for moving an endless chain with many steps connected is structured so that in the section where the chain is mated with sprockets, the moving track of the connection portions of the steps with the chain is positioned outside the rotation track of the outer periphery of the teeth of the sprockets. By use of such a constitution, there is no need to set the teeth of the sprockets to a multiple of the number of chain pitches between the connection portions of the steps with the chain. Therefore, the degree of freedom of selection of sprockets is increased, and sprockets smaller than conventional sprockets can be used, and the thickness of an escalator apparatus can be made smaller. <IMAGE>

IPC 1-7
B66B 23/02

IPC 8 full level
B66B 23/02 (2006.01); **B66B 23/14** (2006.01); **B66B 31/00** (2006.01)

CPC (source: EP)
B66B 23/02 (2013.01); **B66B 23/024** (2013.01); **B66B 23/026** (2013.01); **B66B 23/14** (2013.01); **B66B 31/006** (2013.01)

Cited by
US10214389B2

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
EP 1333001 A1 20030806; **EP 1333001 A4 20060705**; **EP 1333001 B1 20090930**; **EP 1333001 B8 20091111**; CN 1258473 C 20060607; CN 1454180 A 20031105; DE 60043080 D1 20091112; JP 3972143 B2 20070905; WO 0218259 A1 20020307

DOCDB simple family (application)
EP 00956867 A 20000831; CN 00819945 A 20000831; DE 60043080 T 20000831; JP 0005946 W 20000831; JP 2002523386 A 20000831