

Title (en)
SPIRAL ESCALATOR

Publication
EP 0415953 B1 19920805 (DE)

Application
EP 89905056 A 19890506

Priority
DE 3815894 A 19880510

Abstract (en)
[origin: WO8910890A1] A spiral escalator resembling a spiral staircase comprises a plurality of mobile steps which turn along a guide and are interconnected to form an endless chain. The steps are shaped like the sectors of a circle, only the broad, outer lateral ends of the steps being coupled by connecting elements to the corresponding lateral ends of the adjacent steps. The connecting elements allow the steps to pivot relative to one another about an approximately vertical axis and to slide approximately vertically relative to one another. The steps move in the region of the escalator on at least one stationary, spiral guide. A central vertical pillar (2) is arranged at the centre of the region of the escalator. A coupling device mounted on the periphery of the pillar releasably holds and guides the narrow, inner lateral ends of the steps. At least the coupling device of the pillar (2) can be rotated about the vertical axis of the pillar.

IPC 1-7
B66B 21/06

IPC 8 full level
B66B 21/06 (2006.01)

CPC (source: EP US)
B66B 21/06 (2013.01 - EP US)

Cited by
US2016257531A1; US10059568B2; DE202013003089U1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8910890 A1 19891116; DE 58902005 D1 19920910; EP 0415953 A1 19910313; EP 0415953 B1 19920805; US 5158167 A 19921027

DOCDB simple family (application)
DE 8900289 W 19890506; DE 58902005 T 19890506; EP 89905056 A 19890506; US 60228490 A 19901108