

Title (en)
DRIVE SYSTEM FOR A CURVED ESCALATOR

Title (de)
ANTRIEBSSYSTEM FÜR EINE BOGENROLLTREPPE

Title (fr)
SYSTEME D'ENTRAINEMENT POUR ESCALIER ROULANT COURBE

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EP 0705217 B1 19970102 (DE)

Application
EP 94928861 A 19941005

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Abstract (en)
[origin: US5775477A] PCT No. PCT/EP94/03291 Sec. 371 Date Apr. 9, 1996 Sec. 102(e) Date Apr. 9, 1996 PCT Filed Oct. 5, 1994 PCT Pub. No. WO95/10477 PCT Pub. Date Apr. 20, 1995A drive system for a curved escalator which has a frame, a transport section including steps, return tracks and guide tracks, and a drive connected to the transport section. The drive system includes: chain wheels connectable to the drive; and chains engaging the chain wheels hingeable in lateral edge areas of the steps, the chains being disposed parallel to one another, each of the chains comprising interior and exterior brackets. The drive system further includes shaft sections disposed adjacent corresponding ones of the brackets and further being adapted to be disposed at respective edge areas of each step; rollers connected to respective ends of each of the shaft sections, each of the shaft sections projecting through a corresponding one of the rollers and being fixed, at a face end thereof, in a wall area of a corresponding one of the interior brackets which is adapted to face outer frame areas of the frame; and traction rollers placed at a distance from the rollers. Bushings are respectively disposed at both end sections of the brackets. Each of the rollers includes a spherical bearing disposed therein, is seated in one dimension between corresponding ones of the interior brackets which are parallel to one another, is adjacent a corresponding one of the shaft sections, and is further seated in another dimension between corresponding ones of the bushings at both end sections of the brackets.

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