Title (en)

Scissors lift device for a roller conveyor installation

Title (de)

Scherenhubvorrichtung für eine Rollenbahnförderanlage

Title (fr)

Dispositif de levage à ciseaux pour une installation de convoyage à rouleaux

Publication

EP 1375409 B1 20060301 (DE)

Application

EP 03012741 A 20030604

Priority

DE 20209407 U 20020617

Abstract (en)

[origin: EP1375409A1] The lifting/lowering assembly, for skid conveyors, has a ground frame (1) and a carrier frame (2) which can be elevated and depressed. A scissors system (4) is between the frames, with a center axis (43), to give a parallel movement action on the carrier frame. An eccentric lifting unit (5) with an eccentric lever (55) is at the center axis, to give the raising/lowering movements by rotation around the center axis, with running rollers (551,552) riding on running rails (510,520) at both frames. The eccentric lever has a chain drive (3). The carrier frame has a roller path, for the skid movements.

IPC 8 full level

B66F 7/06 (2006.01); **B65G 13/00** (2006.01)

CPC (source: EP)

B66F 7/065 (2013.01)

Cited by

CN112103212A; US11603298B2; WO2007008179A1

Designated contracting state (EPC)

BE CZ DE ES SK

DOCDB simple family (publication)

DE 20209407 U1 20030731; CN 1304269 C 20070314; CN 1473746 A 20040211; DE 50302498 D1 20060427; EP 1375409 A1 20040102; EP 1375409 B1 20060301; ES 2257618 T3 20060801

DOCDB simple family (application)

DE 20209407 U 20020617; CN 03138220 A 20030527; DE 50302498 T 20030604; EP 03012741 A 20030604; ES 03012741 T 20030604