

Title (en)
CONNECTED CONVEYOR MACHINE.

Title (de)
VERBUNDENE FÖRDEREINRICHTUNG.

Title (fr)
MACHINE DE TRANSPORT RELIEE.

Publication
EP 0685421 A4 19961218 (EN)

Application
EP 94929678 A 19941018

Priority
• JP 9401749 W 19941018
• JP 35304893 A 19931220
• JP 21166494 A 19940803

Abstract (en)
[origin: WO9517342A1] A low speed running mechanism (1S, 2S, 3S) of a plurality of stages comprising feeding rollers (3, 4), a conveyor belt (107) and a conveyor belt (108) is connected from diagonally above to a horizontal running portion (5) of a high speed conveyor mechanism comprising a number of steps (1) connected to each other. A main leading hand rail (1L) adapted to be driven so as to run faster by a predetermined speed than the high speed conveyor mechanism is disposed at least on one side and upwardly of and in parallel with the high speed conveyor mechanism. Furthermore, subleading hand rails (1Sc, 2Sc) adapted to be driven so as to run substantially in parallel with and faster than the low speed running mechanism are disposed on one side and upwardly of the low speed running mechanism. A material having a great friction coefficient relative to the shoe sole is selected for use as the tread of the step (1).

IPC 1-7
B66B 21/00; **B66B 23/00**; **B66B 23/24**

IPC 8 full level
B66B 21/02 (2006.01); **B66B 21/12** (2006.01); **B66B 23/12** (2006.01); **B66B 23/26** (2006.01)

CPC (source: EP)
B66B 21/025 (2013.01); **B66B 23/12** (2013.01); **B66B 23/26** (2013.01)

Citation (search report)
• [Y] US 3799060 A 19740326 - JOHNSON E
• [Y] US 3944044 A 19760316 - HAMY NORBERT
• [A] EP 0243572 A1 19871104 - INVENTIO AG [CH]
• [A] US 3583543 A 19710608 - ANGIOLETTI ATTILIO, et al
• [XY] PATENT ABSTRACTS OF JAPAN vol. 014, no. 339 (M - 1001) 23 July 1990 (1990-07-23)
• See references of WO 9517342A1

Cited by
EP0854108A1; EP3470360A1; GB2595973A; US6439365B1; EP0982261A3; US5971129A; AU733626B2; CN1081604C; WO0048886A1; WO2021186227A1; WO2016126840A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9517342 A1 19950629; CA 2155868 A1 19950629; EP 0685421 A1 19951206; EP 0685421 A4 19961218

DOCDB simple family (application)
JP 9401749 W 19941018; CA 2155868 A 19941018; EP 94929678 A 19941018