

Title (en)

ENDLESS FLEXIBLE CONVEYOR BELT WITH SEALED FLEXIBLE COVERING BELT

Title (de)

FLEXIBLES ENDLOSES TRANSPORTBAND MIT FLEXIBLEM DICHEM ABDECKBAND

Title (fr)

BANDE TRANSPORTEUSE SOUPLE SANS FIN A BANDE DE COUVERTURE SOUPLE ETANCHE

Publication

EP 1086032 A1 20010328 (FR)

Application

EP 00915287 A 20000405

Priority

- FR 0000844 W 20000405
- FR 9904430 A 19990408

Abstract (en)

[origin: FR2791962A1] The invention concerns a conveyor belt (1) operating as a deep semicircular trough provided with a covering belt (2), characterised in that the covering belt (2) is planar in inoperative state, except for its continuous sealing loops (8) and has a width (a) linked to the length (L) of the trough-shaped conveyor belt (1), at the angle (δ) formed by the flexible covering belt (2), relative to the horizontal and to the length (b) of the continuous sealing loop (8), by the relationship $a = L \cdot \cos \delta + 2b$, and a sealing device (5) is formed by said longitudinal loop (8), being urged to enclose, by automatic engagement, each of the longitudinal ends (6) of said conveyor belt (1), and the disengagement, in the proximity of the unloading zone (Zd) is obtained by simple release, under the effect of the opening of the trough angle (α) and the separation force between said belts (1, 2) without the intervention of any mechanical means.

IPC 1-7

B65G 15/18

IPC 8 full level

B65G 15/18 (2006.01)

CPC (source: EP US)

B65G 15/18 (2013.01 - EP US); **B65G 2201/04** (2013.01 - EP US)

Citation (search report)

See references of WO 0061468A1

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

FR 2791962 A1 20001013; **FR 2791962 B1 20010713**; AU 3665300 A 20001114; CA 2334100 A1 20001019; EP 1086032 A1 20010328; US 2001019010 A1 20010906; US 6585105 B2 20030701; WO 0061468 A1 20001019; ZA 200007134 B 20010131

DOCDB simple family (application)

FR 9904430 A 19990408; AU 3665300 A 20000405; CA 2334100 A 20000405; EP 00915287 A 20000405; FR 0000844 W 20000405; US 73157300 A 20001207; ZA 200007134 A 20001206