

Title (en)

Roller assembly primarily for a chain conveyor and a chain conveyor including such a roller assembly.

Title (de)

Laufrolle, insbesondere für Förderkette, sowie Förderkette mit entsprechendem Laufrollen.

Title (fr)

Construction d'un rouleau en particulier pour transporteur à chaîne et transporteur à chaîne comprenant un tel rouleau.

Publication

EP 0000105 A1 19781220 (EN)

Application

EP 78300039 A 19780613

Priority

US 80602877 A 19770613

Abstract (en)

A roller assembly primarily intended for chain conveyors comprising a roller (26) journaled for rotation on a bushing (36), the roller being sealed against ingress of foreign matter by at least one labyrinth seal, said seal comprising a pair of overlapping rings (46,56) received in a counterbore (42) in one end face of the roller, one ring (46) being fitted to the bushing and the other (56) to the roller, whereby passage of grease through the seal is restricted to a tortuous path formed by said overlapping rings. <??>In use, the inner ring (46) provides an axial thrust bearing surface (101) for the roller. The rings are preferably L-shaped in cross-section and are suitable for use with rollers of metal or plastics material.

IPC 1-7

B65G 39/09; **B65G 39/20**; **F16C 13/02**

IPC 8 full level

B65G 39/20 (2006.01); **F16C 13/00** (2006.01); **F16C 33/74** (2006.01); **F16J 15/447** (2006.01)

CPC (source: EP US)

B65G 39/20 (2013.01 - EP US); **F16C 13/006** (2013.01 - EP US); **F16C 33/74** (2013.01 - EP US); **F16C 33/80** (2013.01 - EP US); **F16J 15/4472** (2013.01 - EP US); **F16C 19/46** (2013.01 - EP US)

Citation (search report)

- US 3490773 A 19700120 - DENNISON CLIFFORD A
- FR 1227575 A 19600822 - CLAUDE DAVID ET SES FILS

Cited by

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