

Title (en)

ROLLER ASSEMBLY PRIMARILY FOR A CHAIN CONVEYOR AND A CHAIN CONVEYOR INCLUDING SUCH A ROLLER ASSEMBLY

Publication

EP 0000105 B1 19811111 (EN)

Application

EP 78300039 A 19780613

Priority

US 80602877 A 19770613

Abstract (en)

[origin: US4101180A] {PG,1 A roller assembly for use on a conveyor chain to provide rolling support for the working run thereof includes a roller journaled on a mounting bushing and held thereon from axial displacement by a double sealing ring arrangement at each roller end face. The double sealing rings are arranged to provide a labyrinth seal to aid in the retention of lubricant within and the exclusion of contaminants from the assembly, and the inner ring of each pair also provides an axial thrust bearing surface for the roller. The sealing rings are preferably of L-shaped cross section and are adaptable for use with rollers of either metal or plastic construction.

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)

Cited by

EP0513271A4

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

US 4101180 A 19780718; DE 2861305 D1 19820114; EP 0000105 A1 19781220; EP 0000105 B1 19811111

DOCDB simple family (application)

US 80602877 A 19770613; DE 2861305 T 19780613; EP 78300039 A 19780613