

Title (en)

Chain traction device for continuous drawing

Title (de)

Kettenziehmaschine zum kontinuierlichen Ziehen von Ziehgut

Title (fr)

Dispositif d'entrainement à chaines pour tréfilage en continu

Publication

EP 1090696 B2 20090722 (DE)

Application

EP 00120496 A 20000920

Priority

DE 19947806 A 19991005

Abstract (en)

[origin: EP1090696A2] The machine has two or more driven drawing chains (3,4) with drawing members (5A,B) having clamp jaws for the drawn material on one side, and a slide surface on the other side. The slide surfaces support themselves on rigid roller guides (9) on each chain, via drive rollers (8). The drive rollers are interactively supported on the slide surfaces (13) and/or the roller guide via a divided contact surface, and on the level of the surface division, only via guides (31) moving with the rollers. The rollers are combined to form a chain.

IPC 8 full level

B21C 1/30 (2006.01); **F16H 7/18** (2006.01); **F16G 13/02** (2006.01)

CPC (source: EP US)

B21C 1/30 (2013.01 - EP US)

Citation (opposition)

Opponent :

- US 2642280 A 19530616 - FISK GUSTAF L
- US 2797798 A 19570702 - WILLIAM HALLDEN KARL

Cited by

IT201800003971A1; US11458525B2; WO2019186610A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1090696 A2 20010411; **EP 1090696 A3 20020123**; **EP 1090696 B1 20040901**; **EP 1090696 B2 20090722**; AT E275005 T1 20040915; DE 19947806 A1 20010412; DE 19947806 B4 20141211; DE 50007602 D1 20041007; JP 2001146947 A 20010529; JP 4663865 B2 20110406; US 6450386 B1 20020917

DOCDB simple family (application)

EP 00120496 A 20000920; AT 00120496 T 20000920; DE 19947806 A 19991005; DE 50007602 T 20000920; JP 2000303929 A 20001003; US 67978800 A 20001005