

Title (en)
TENSION ROLLER LEVELER

Publication
EP 0508475 A3 19921202 (EN)

Application
EP 92106289 A 19920410

Priority
JP 10651591 A 19910412

Abstract (en)
[origin: EP0508475A2] A tension roller leveler which will produce neither abnormal noise nor flaws called chatter marks even in a high-speed treatment line. A plurality of work rolls (1,2) are disposed on each of an upper frame (7) and a lower frame (8). The upper frame and/or the lower frame can be regulated to adjust opening degrees of the work rolls in the inlet side and the outlet side for a strip (S). A plurality of the work rolls are each supported independently over substantially the entire length by one set of backup rolls (3,4) in two rows, and the backup rolls in two rows are arranged in a zig-zag pattern such that shaft support portions (5,6) of one set of the backup rolls in two rows will not overlap with each other.

IPC 1-7
B21D 1/05

IPC 8 full level
B21D 1/05 (2006.01)

CPC (source: EP)
B21D 1/05 (2013.01)

Citation (search report)
• [A] DE 2536582 B2 19781207
• [A] DE 1602592 A1 19711118 - UNGERER IRMA
• [A] GB 2127329 A 19840411 - BWG BERGWERK WALZWERK
• [A] US 3777532 A 19731211 - NOE O

Cited by
EP0635319A1; CN110385385A; US9126250B2; DE102016106208A1; WO2011029485A1; EP1275446B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0508475 A2 19921014; EP 0508475 A3 19921202; EP 0508475 B1 19950215; CA 2065801 A1 19921013; CA 2065801 C 19990803; DE 69201395 D1 19950323; DE 69201395 T2 19950803; JP H0576934 A 19930330

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