

Title (en)
MEASUREMENT OF SPEED AND/OR LENGTH.

Title (de)
MESSEN VON GESCHWINDIGKEIT UND/ODER LÄNGE.

Title (fr)
MESURE DE LA VITESSE ET/OU DE LA LONGUEUR.

Publication
EP 0053142 A4 19821108 (EN)

Application
EP 81901514 A 19810609

Priority
AU PE397580 A 19800610

Abstract (en)
[origin: WO8103708A1] Method and apparatus for determining both relative speed between two bodies and length measurement of linearly moving material (21), particularly of moving strip or sheet material. A pair of non contacting detectors in a sensing head (11) derive two time sequences of signals characteristic of physical variations of material passing through two locations spaced apart (d) in direction of movement. The time delay between the two sequences of signals for which the two sequences most closely match one another is determined by a correlation unit (12) as a measure of time for material to travel between the two said locations to provide speed determination on a speed display unit (14). Length determination is made by determining instantaneous material speed values (by above-mentioned method) throughout a time interval during which the material passes the detectors and integrating these speed values over the time interval to obtain the length of material.

IPC 1-7
G01P 3/68; **G01P 3/64**; **G01B 11/04**

IPC 8 full level
G01P 3/68 (2006.01); **G01B 11/04** (2006.01); **G01P 3/80** (2006.01)

CPC (source: EP)
G01B 11/043 (2013.01); **G01P 3/806** (2013.01)

Designated contracting state (EPC)
AT DE FR GB LU NL SE

DOCDB simple family (publication)
WO 8103708 A1 19811224; EP 0053142 A1 19820609; EP 0053142 A4 19821108; JP S57500947 A 19820527; ZA 813893 B 19820630

DOCDB simple family (application)
AU 8100070 W 19810609; EP 81901514 A 19810609; JP 50176481 A 19810609; ZA 813893 A 19810610