

Title (en)
METHOD OF WEIGHT MEASUREMENT USING MOVING WEIGH CONVEYOR

Title (de)
VERFAHREN ZUR GEWICHTSMESSUNG UNTER VERWENDUNG EINES BEWEGLICHEN GEWICHTSFÖRDERERS

Title (fr)
PROCEDE DE MESURE DE POIDS UTILISANT UN TRANSPORTEUR DE PESAGE EN MOUVEMENT

Publication
EP 1390700 A1 20040225 (EN)

Application
EP 01929048 A 20010409

Priority
US 0140474 W 20010409

Abstract (en)
[origin: WO02084232A1] A control for a continuously moving weighing conveyor first triggers on a predetermined sensed weight (104). The control determines a first inflection point on the weight waveform defined as the "maximum positive slope" (106). Then the control begins recording weight samples at a sampling rate. The control checks the weight waveform of sampled weights for a slope which is a first pre-selected percentage of the maximum slope but negative in slope value "weight-off-scale" point (110). The control then looks backward through the recorded data of weight samples to find another point which has a slope which is a second preselected negative percentage of the maximum positive slope "end sample position"(114). Then a "start sample position" (118) is determined to fall within, or at the start of, a flat region of the waveform. The values within the sample period are then averaged to determine a static weight.

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G01G 9/00

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