

Title (en)
Method and device for active dampening of vibrations in winding machines

Title (de)
Verfahren und Vorrichtung zur aktiven Schwingungsdämpfung bei Wickelmaschinen

Title (fr)
Méthode et dispositif pour l'amortissement actif de vibrations dans des enrouleuses

Publication
EP 1260470 B1 20060913 (DE)

Application
EP 02010992 A 20020517

Priority
DE 10125192 A 20010523

Abstract (en)
[origin: EP1260470A2] The winding machine includes two or more rolling cylinders (a,b,c,d) which together form a vibrating system through an imbalance or out-of-roundness. At least one of the cylinders experiences an active damping in relation to the vibration forces so that a number of vibration force measurements are taken per revolution of one of the cylinders. The rotary axis of at least one cylinder is then shifted by extra energy supplied from outside depending on the actual measured value so that the vibration forces are reduced. Independent claim describes device where a cylinder is fitted at the ends with movable bearings (6,7,8) associated with measured value recorders (9,10).

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CPC (source: EP US)
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Cited by
CN104148443A; EP1683749A3; EP1790598A3; EP1650148A3; EP1947042A1; EP1790600A3; EP1905713A1; EP2341022A3; EP1905712A3; DE102006043629A1; DE112007000826T5; EP1900663A2; EP2080722A2; DE102008000096A1

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