

Title (en)

Method and device for picture disruption when winding a thread

Title (de)

Verfahren und Vorrichtung zur Bildstörung beim Aufwickeln eines Fadens

Title (fr)

Procédé et dispositif de perturbation d'image lors de l'enroulement d'un fil

Publication

**EP 2143680 B1 20120530 (DE)**

Application

**EP 09007751 A 20090612**

Previously filed application

102008032654 20080710 DE

Priority

DE 102008032654 A 20080710

Abstract (en)

[origin: EP2143680A1] The method involves changing frequency between a minimum and a maximum value continuously. The changing frequency is changed during approaching of a pre-determined critical winding ratio such that temporary average value of the changing frequency changes erratically. The changing frequency is changed additionally for the change of the temporal average value such that the distance of the minimum and the maximum value is reduced during approaching of the critical winding ratio and increased after leaving the critical winding ratio. An independent claim is also included for a device for interfering an image during winding a thread on a cross bound bobbin in random coils.

IPC 8 full level

**B65H 54/38** (2006.01)

CPC (source: EP)

**B65H 54/38** (2013.01); **B65H 2701/31** (2013.01)

Cited by

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DOCDB simple family (publication)

**EP 2143680 A1 20100113**; **EP 2143680 B1 20120530**; CN 101624151 A 20100113; CN 101624151 B 20120808;  
DE 102008032654 A1 20100114

DOCDB simple family (application)

**EP 09007751 A 20090612**; CN 200910139842 A 20090703; DE 102008032654 A 20080710