

Title (en)  
Block formation system and method for controlling the folding of a block

Title (de)  
Blockerzeugungssystem und Verfahren zum Steuern des Faltens eines Blocks

Title (fr)  
Système de formation de blocs et procédé pour régler le pliage d'un bloc

Publication  
**EP 1123889 B1 20040324 (EN)**

Application  
**EP 00126354 A 20001202**

Priority  
• EP 00126354 A 20001202  
• EP 0001064 W 20000210

Abstract (en)  
[origin: EP1123889A1] A block formation system for forming a block of folded material, preferably of nonwoven material or tissue, comprising a folding means (11, 12) between which web material (10) is passing for folding the web material (10) to a block (50), and pressing means (17, 20) acting on the block (50). The block of web material (10) is layered on a lifting element (24) being movable relative to the folding means (11, 12), whereby means for controlling the relative movement of the lifting element (24) to the folding means (11, 12) with respect to the degree of compression of the block (50) are provided. The block formation system can be used for high-speed festooning with high quality requirements. According to the proposed method for controlling the folding of a block, web material (10) is fed to a folding device (11, 12), web material (10) is folded in a zigzag-like manner, building a block (50) of folded material on a lifting element (24), whereby pressing means act on the uppermost web layer and the degree of compression is measured and used for controlling the relative movement of the lifting element (24) with respect to the pressing means (17, 20). <IMAGE>

IPC 1-7  
**B65H 45/101**; **B65H 45/20**; **B65H 31/12**

IPC 8 full level  
**B65H 31/12** (2006.01); **B65H 45/101** (2006.01); **B65H 45/20** (2006.01)

CPC (source: EP)  
**B65H 31/12** (2013.01); **B65H 45/101** (2013.01); **B65H 45/20** (2013.01)

Cited by  
CN117706141A; US10173848B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1123889 A1 20010816**; **EP 1123889 B1 20040324**

DOCDB simple family (application)  
**EP 00126354 A 20001202**