

Title (en)  
Bundling head for bundling elongated articles

Title (de)  
Bündelkopf zum Bündeln von langen Gegenständen

Title (fr)  
Tête de ficelage pour ficelage des objets oblongs

Publication  
**EP 0852201 B1 20030205 (DE)**

Application  
**EP 97118476 A 19971024**

Priority  
DE 19644765 A 19961028

Abstract (en)  
[origin: DE19644765A1] The method involves preparing cases from settings of individual production processes, and sending the current case through a prognosis arrangement which calculates missing product characteristics from process characteristics, and which evaluates and displays the individual case with a fitness factor. Genetic algorithms are used for the implementation and/or modification of process settings, and the fitness factor is calculated and used as a basis for comparisons with fitness factors of later process settings. The genetic algorithm pref. selects by chance three individual process settings from an initial population of settings, determines the setting with the worst fitness factor, and replaces it with a combination of the two other settings. The process settings are pref. mutated by the genetic algorithm and the original (old) settings are replaced by their mutations.

IPC 1-7  
**B65B 27/10**

IPC 8 full level  
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CPC (source: EP)  
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**DE 19644765 A1 19980430**; DE 59709266 D1 20030313; EP 0852201 A1 19980708; EP 0852201 B1 20030205; ES 2191800 T3 20030916

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