

Title (en)
METHOD AND DEVICE FOR AUTOMATIC EVALUATION OF CEREAL GRAINS AND OTHER GRANULAR PRODUCTS

Title (de)
VERFAHREN UND GERÄT ZUR AUTOMATISCHEN BEWERTUNG VON GETREIDEKÖRNERN UND ANDEREN GRANULAREN PRODUKTEN

Title (fr)
PROCEDE ET DISPOSITIF D'EVALUATION AUTOMATIQUE DE CEREALES ET AUTRES PRODUITS GRANULAIRES

Publication
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Application
EP 93919788 A 19930906

Priority

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- SE 9202584 A 19920907

Abstract (en)
[origin: WO9406092A1] In automatic evaluation of cereal kernels or like granular products handled in bulk, the kernels are conveyed on a vibrating belt conveyor (15). Owing to the vibrations, the kernels are spread and settle in grooves (14) in the belt so as to be oriented in essentially the same direction. A video camera (40) produces digital images of all the kernels on the belt. The kernels are identified in the images, and for each kernel input signals are produced to a neural network based on the picture element values for the picture elements representing the kernel. Then the neural network determines to which of a plurality of predetermined classes each kernel belongs.

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G06N 3/02; **B07C 5/342**

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DE DK ES FR GB GR IT NL SE

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WO 9406092 A1 19940317; AU 4990793 A 19940329; DE 69331662 D1 20020411; DE 69331662 T2 20020808; DK 0658262 T3 20020521; EP 0658262 A1 19950621; EP 0658262 B1 20020306; ES 2170072 T3 20020801; JP 3588108 B2 20041110; JP H08501386 A 19960213; SE 470465 B 19940418; SE 9202584 D0 19920907; SE 9202584 L 19940308

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