

Title (en)
APPARATUS FOR DETECTING CRACKED GRAIN OF UNHULLED RICE OR HULLED RICE

Publication
EP 0086289 B1 19880127 (EN)

Application
EP 82300724 A 19820212

Priority
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Abstract (en)
[origin: EP0086289A1] An apparatus for detecting cracked grain of unhulled rice or hulled rice. The apparatus has a rice feeding trough (3) provided at its bottom with a light transmitting window (7) and disposed substantially horizontally or at a gentle gradient. A light quantity detecting device (10) has a light source (8) and a light receiving element (9) disposed to optically oppose each other across the light transmitting window (7) along which the rice grain flows. In operation, the rice grain flowing on the light transmitting window (7) is scanned by the light from the light source (8). If there is a crack in the grain particle, a change is caused in the quantity of light transmitted through the grain particle and received by the light receiving element (9), so that the presence of the crack and hence a cracked rice grain is detected at a high precision.

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IPC 8 full level
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CPC (source: EP)
B07C 5/3416 (2013.01); **B07C 5/3425** (2013.01); **G06M 7/04** (2013.01)

Cited by
CN103934223A; DE3443476A1; EP0308223A3; EP0248281A3; WO2014076253A1

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