

Title (en)
METHOD AND APPARATUS FOR TESTING THE QUALITY OF FRUIT

Title (de)
VERFAHREN UND VORRICHTUNG ZUR QUALITÄTSPRÜFUNG VON FRÜCHTEN

Title (fr)
PROCEDE ET APPAREIL POUR LE CONTROLE DE LA QUALITE DES FRUITS

Publication
EP 0746765 A4 19960821 (EN)

Application
EP 94920761 A 19940613

Priority
• IL 10600593 A 19930613
• US 9406869 W 19940613

Abstract (en)
[origin: WO9429715A1] A method and apparatus for testing the quality of a fruit (F) by applying a dynamic force (24) to the fruit, detecting the mechanical response of the fruit to the dynamic force via a piezoelectric film transducer (10, 12, 14) supported on a displaceable supporting member (2) such that the film transducer is bent, to induce a strain therein, by the dynamic force and outputs an electrical signal corresponding to the rate of change of the induced strain in the film transducer caused by the dynamic force, and analyzing the electrical signal to indicate the quality of the fruit.

IPC 1-7
G01N 29/12; **G01N 3/38**; **G01N 33/02**

IPC 8 full level
G01N 3/38 (2006.01); **G01N 33/02** (2006.01); **G01N 3/00** (2006.01); **G01N 3/06** (2006.01)

CPC (source: EP)
G01N 3/38 (2013.01); **G01N 33/025** (2013.01); **G01N 2203/0051** (2013.01); **G01N 2203/0623** (2013.01)

Citation (search report)
• [XY] EP 0267737 A2 19880518 - SYRINX INNOVATIONS [GB]
• [A] US 4555953 A 19851203 - DARIO PAOLO [IT], et al
• See references of WO 9429715A1

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

DOCDB simple family (publication)
WO 9429715 A1 19941222; CA 2165170 A1 19941222; EP 0746765 A1 19961211; EP 0746765 A4 19960821; IL 106005 A0 19931020; IL 106005 A 19961205

DOCDB simple family (application)
US 9406869 W 19940613; CA 2165170 A 19940613; EP 94920761 A 19940613; IL 10600593 A 19930613