

Title (en)  
IMPROVED REAL TIME METHOD FOR CONTROLLING APPLICATIONS OF FERTILIZERS AND OTHER YIELD IMPROVING AGENTS TO CROPS

Title (de)  
VERBESSERTES ECHTZEITVERFAHREN ZUR STEUERUNG DER ANWENDUNGEN VON DÜNGERN UND ANDERER ERTRAGVERBESSERNDER SUBSTANZEN AUF KULTURPFLANZEN

Title (fr)  
PROCEDE PERFECTIONNE CON U POUR COMMANDER EN TEMPS REEL L'APPLICATION DE SUBSTANCES FERTILISANTES ET AUTRES SUBSTANCES DESTINEES A AMELIORER LE RENDEMENT DE CULTURES

Publication  
**EP 1419385 A1 20040519 (EN)**

Application  
**EP 02754554 A 20020724**

Priority  

- DK 0200512 W 20020724
- DK PA200101146 A 20010725

Abstract (en)  
[origin: WO03010535A1] A method of controlling the application of fertilisers, fungicides, herbicides or pesticides to a plant crop, comprising simultaneous real time measurements of chlorophyll and/or biomass contents by determining the Reflectance Vegetation Index (RVI) or an equivalent measure for chlorophyll and/or biomass content and crop leaf area by determining Leaf Area Index (LAI) or an equivalent measure, providing such measurement data to a data processing unit which calculates an RVI/LAI ratio or an equivalent ratio as an indication of the chlorophyll content per unit leaf area, said data processing unit is operably connected with a control unit regulating the application of fertilisers, fungicides, herbicides or pesticides to the plant crop.

IPC 1-7  
**G01N 33/48**; G01N 21/00; A01C 21/00

IPC 8 full level  
**A01C 21/00** (2006.01); **A01M 7/00** (2006.01); **G01N 21/3563** (2014.01); **G01N 33/02** (2006.01); **G01N 21/31** (2006.01); **G01N 21/359** (2014.01); **G01N 21/39** (2006.01); **G01N 33/483** (2006.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 03010535A1

Citation (examination)  

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