

Title (en)

METHOD FOR OPTIMISING IRRIGATION IN CULTIVATED FIELDS USING A WATER GUN WITH HIGH FLOW RATE

Title (de)

VERFAHREN ZUR WASSERZUFUHR OPTIMISIERUNG AUF ANBAUFELDEN MIT EINER HOCHDURCHFLUSSREGENKANONE

Title (fr)

PROCEDE POUR OPTIMISER UN APPORT D'EAU SUR DES CHAMPS DE CULTURES AU MOYEN D'UN CANON D'ARROSAGE A FORT DEBIT

Publication

**EP 0987935 A1 20000329 (FR)**

Application

**EP 98928420 A 19980603**

Priority

- FR 9801114 W 19980603
- FR 9706868 A 19970604

Abstract (en)

[origin: FR2764166A1] The invention concerns a method for optimising irrigation in cultivated fields using a pivoting water gun mounted on a mobile carriage, the method for irrigating a field over length L and width double the water gun range (P) consists in: dividing the irrigation zone in three successive zones, i.e. an initial watering zone (ZD), an intermediate zone (ZI) and a final watering zone (ZF); and in watering the initial watering zone (ZD) and/or the final watering zone (ZF) by alternating at least one time-delay during which the carriage is immobilised and a displacement of the carriage at a predetermined speed over a distance corresponding to a water gun range, to optimise the water supply relative to that supplied in the intermediate zone by limiting the deficiency in water (d1, d2) at the beginning and at the end of the irrigating operation.

IPC 1-7

**A01G 25/09**

IPC 8 full level

**A01G 25/09** (2006.01)

CPC (source: EP US)

**A01G 25/095** (2013.01 - EP US)

Citation (search report)

See references of WO 9854951A1

Cited by

CN109618855A

Designated contracting state (EPC)

DE DK ES FR GB GR IT

DOCDB simple family (publication)

**FR 2764166 A1 19981211; FR 2764166 B1 19990827;** AU 8025298 A 19981221; EP 0987935 A1 20000329; US 6179216 B1 20010130; WO 9854951 A1 19981210

DOCDB simple family (application)

**FR 9706868 A 19970604;** AU 8025298 A 19980603; EP 98928420 A 19980603; FR 9801114 W 19980603; US 44527999 A 19991203