

Title (en)

TIME RESPONSIVE CONTROL SYSTEM OF IRRIGATION SECTORS FOR AN IMPULSE SPRINKLER AND IMPULSE SPRINKLER
COMPRISING SUCH CONTROL SYSTEM

Title (de)

ZEITABHÄNGIGES STEUERSYSTEM DES BEWÄSSERUNGSSEKTORS EINES IMPULSSPRINKLERS UND EINEN DIESES STEUERSYSTEM
UMFASSENDE IMPULSSPRINKLER

Title (fr)

SYSTEME DE CONTRÔLE TEMPORAIRE DE SECTEURS D'IRRIGATION POUR UN ARROSEUR À IMPULSION ET ARROSEUR À IMPULSION
COMPRENANT CE SYSTEME DE CONTRÔLE

Publication

EP 3421137 B1 20191023 (EN)

Application

EP 18179563 A 20180625

Priority

IT 201700073460 A 20170630

Abstract (en)

[origin: EP3421137A1] A timed control system (1) for timed control of irrigation sectors for an impulse sprinkler (2) with a barrel (3), a joint (4) swiveling about a vertical axis (X) and an actuator (7). The system comprises a first pair of limit stop members (11, 12) in first angular positions relative to the axis of rotation (X) to define a first irrigation sector (\pm), and at least one first reversing lever (23) which is adapted to be operably coupled to the actuator (7) and is adapted to interact with the first pair of limit stop members (11, 12) to reverse the direction of rotation in the first sector (\pm). The system also comprises a second pair of limit stop members (24, 25) in second angular positions to define a second irrigation sector (2) differing from the first. A second reversing lever (33) is provided, which is adapted to interact with the second pair of limit stop members (24, 25) to reverse the direction of rotation in the second sector (2). A selector (34) is further provided, which is configured to alternately cause interaction of the first lever (23) with the first pair of limit stop members (11, 12) and interaction of the second lever (33) with the second pair of limit stop members (24, 25) after a given scheduled interval of time to move from the first irrigation sector (\pm) to the second irrigation sector (2).

IPC 8 full level

B05B 3/04 (2006.01)

CPC (source: EP)

B05B 3/0477 (2013.01); **B05B 3/0481** (2013.01)

Cited by

CN114766328A; US11090671B2; EP3769848A1; AU2020202993B2; EP3912729A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3421137 A1 20190102; EP 3421137 B1 20191023; IT 201700073460 A1 20181230

DOCDB simple family (application)

EP 18179563 A 20180625; IT 201700073460 A 20170630