

Title (en)
ELECTRO-OPTICAL YARN SENSOR

Title (de)
OPTOELEKTRISCHER GARNSENSOR

Title (fr)
DÉTECTEUR DE FIL ÉLECTRO-OPTIQUE

Publication
EP 2082085 B1 20101215 (EN)

Application
EP 07818840 A 20071009

Priority
• EP 2007008767 W 20071009
• SE 0602412 A 20061110

Abstract (en)
[origin: WO2008055571A1] A yarn feeding device F comprises at least one electro-optical yarn sensor S having at least one combination of a light source E and a physically closely adjacent receiver R. In the light path between the light source/receiver combination and a reflective scanning zone 12 on a storage body of the yarn feeding device a transparent optical spreading body B is provided which spreads a substantially round light spot 17 into a longitudinal light strip in the reflective yarn scanning zone 12, the transparent spreading body B being arranged such that the longitudinal axis of the light strip is oriented substantially parallel to the axes of the windings of a yarn Y carried by the storage body periphery.

IPC 8 full level
D03D 47/36 (2006.01); **G01V 8/14** (2006.01)

CPC (source: EP)
D03D 47/367 (2013.01)

Cited by
EP2907907A1; CN104843542A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008055571 A1 20080515; AT E491834 T1 20110115; CN 101563489 A 20091021; CN 101563489 B 20110831; DE 602007011311 D1 20110127; EP 2082085 A1 20090729; EP 2082085 B1 20101215; TW 200844285 A 20081116

DOCDB simple family (application)
EP 2007008767 W 20071009; AT 07818840 T 20071009; CN 200780041777 A 20071009; DE 602007011311 T 20071009; EP 07818840 A 20071009; TW 96140078 A 20071025