

Title (en)
REINFORCEMENT BINDER AND WIRE REEL

Title (de)
VERSTÄRKUNGSBINDEMITELE UND DRAHTHASPEL

Title (fr)
LIANT DE RENFORCEMENT ET D)VIDEUR

Publication
EP 1777360 A1 20070425 (EN)

Application
EP 05741454 A 20050523

Priority
• JP 2005009371 W 20050523
• JP 2004181732 A 20040618

Abstract (en)
[origin: WO2005124060A1] A reinforcement binder, wherein the antenna of an RF tag reader and a photo sensor detecting the rotating position of a wire reel are installed in a wire reel storage part. The photo sensor detects a mark on the wire reel, a control part decelerates or stops the wire reel when an RF tag fitted to the side face of the wire reel is opposed to the antenna of the RF tag reader, and the RF tag reader performs an RF tag recognizing operation to identify the type of a wire. Since the wire reel is decelerated or stopped and transmission/receiving are performed when the RF tag is opposed to the antenna of the RF tag reader, a stable communication can be performed.

IPC 8 full level
E04G 21/12 (2006.01); **B65B 13/02** (2006.01); **B65B 13/18** (2006.01)

CPC (source: EP US)
B65B 13/027 (2013.01 - EP US); **B65B 13/185** (2013.01 - EP US); **E04G 21/122** (2013.01 - EP US); **E04G 21/123** (2013.01 - EP US)

Citation (search report)
See references of WO 2005124060A1

Cited by
EP3103328A1; EP3932813A4; EP4257294A1; EP2123846A1; US8251104B2

Designated contracting state (EPC)
DE ES FR GB SE

DOCDB simple family (publication)
EP 1777360 A1 20070425; AU 2005254821 A1 20051229; CA 2570367 A1 20051229; CN 100522745 C 20090805; CN 1969101 A 20070523; JP 2006002500 A 20060105; JP 4140561 B2 20080827; US 2007227613 A1 20071004; WO 2005124060 A1 20051229

DOCDB simple family (application)
EP 05741454 A 20050523; AU 2005254821 A 20050523; CA 2570367 A 20050523; CN 200580020005 A 20050523; JP 2004181732 A 20040618; JP 2005009371 W 20050523; US 62948105 A 20050523