



(12) PATENT

(11) 344165

(13) B1

NORWAY

(19) NO

(51) Int Cl.

A43B 3/00 (2006.01)

G01V 3/10 (2006.01)

G01V 3/15 (2006.01)

Norwegian Industrial Property Office

(21)	Application nr.	20180949	(86)	International Filing Date and Application Number
(22)	Date of Filing	2018.07.05	(85)	Date of Entry into National Phase
(24)	Date of Effect	2018.07.05	(30)	Priority
(41)	Publicly Available	2019.09.23		
(45)	Granted	2019.09.23		
(73)	Proprietor	Inge Johannes Solesvik, Sørskogveien 103, 4364 SIREVÅG, Norge		
(72)	Inventor	Inge Johannes Solesvik, Sørskogveien 103, 4364 SIREVÅG, Norge		
(74)	Agent or Attorney	InnovatorLAB, Viborggade 74, 2.th, 2100 KØBENHAVN, Danmark		

(54)	Title	<b>METAL DETECTING FOOTWEAR</b>
(56)	References Cited:	US 2015185352 A1, FR 2762486 A1, CN 201822010 U
(57)	Abstract	

The present invention discloses a metal detecting system (100) incorporated within a footwear (106) to alert a user from metal objects below the surface. The metal detecting system (100) comprises at least one sensing coil (102) and an electronic module (108). The sensing coil (102) could be fastened to a sole (104) of the footwear (106) and configured to sense the metal objects below the surface. The electronic module (108) is detachably fastened to an article of clothing (110) of a user. The electronic module (108) is configured to provide an alert to the user based on a sensor signal received, via a connecting means (112), from the sensing coil (102). The sensing coil (102) and the electronic module (108) are communicated via a wireless communication means to transfer and receive the sensor signals for detecting the metal objects.

