



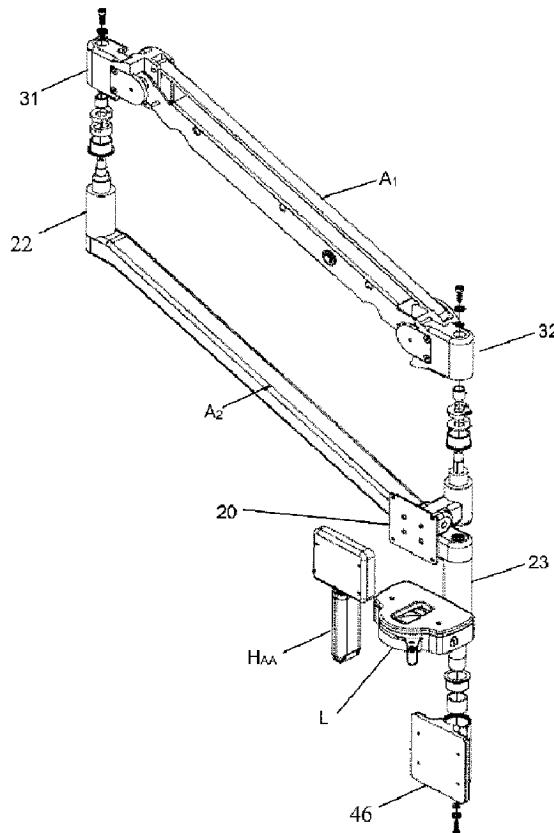
(12) **DEMANDE DE BREVET CANADIEN
CANADIAN PATENT APPLICATION**

(13) **A1**

(22) **Date de dépôt/Filing Date:** 2016/07/12
(41) **Mise à la disp. pub./Open to Public Insp.:** 2016/08/30
(30) **Priorité/Priority:** 2016/04/20 (US15/133,570)

(51) **Cl.Int./Int.Cl. A61B 90/50** (2016.01),
A61B 34/20 (2016.01), **F16M 11/00** (2006.01)
(71) **Demandeur/Applicant:**
SYNAPTIVE MEDICAL (BARBADOS) INC., BB
(72) **Inventeurs/Inventors:**
NG, SAMSON, CA;
DUPONT, KYLE RICHARD, CA;
JANKOWSKI, JAKUB, CA;
KHERADPIR, LEILA, CA;
SEOK, JEONGCHEOL, CA;
ABELLERA, STEPHEN, CA
(74) **Agent:** ROWAND LLP

(54) **Titre : MECANISME DE BRAS DE NAVIGATION ET METHODES**
(54) **Title: NAVIGATION ARM SYSTEM AND METHODS**



(57) **Abrégé/Abstract:**

A navigation system for supporting a navigation device of a navigation system, capable of coupling with a navigation display cart, the navigation arm system involving: an arm assembly configured to position the navigation device, the arm assembly

(57) Abrégé(suite)/Abstract(continued):

including a first arm linkage having a tension adjustment feature and releasably connectable to the navigation device; a second arm linkage capable of connecting the arm assembly to the navigation display cart; and at least one joint coupling at least the first and second arm linkages; and a locking mechanism configured to maintain a disposition of the arm assembly in relation to the navigation display cart in a locked stored position and a unlocked deployed position, the locking mechanism configured to lockably couple the arm assembly in relation to the navigation display cart, the locking mechanism including a plurality of locking modes, whereby structural stability is providable