

Title (en)  
Roller-reefing boom apparatus.

Title (de)  
Baumgerät zum Reffen.

Title (fr)  
Bôme enrouleuse.

Publication  
**EP 0390441 A1 19901003 (EN)**

Application  
**EP 90303144 A 19900323**

Priority  
US 32932089 A 19890327

Abstract (en)  
A roller-reefing boom apparatus includes a mast having a track which receives a bead along an edge of a sail, and a boom that is supported by the mast. The boom includes a member rotatably supported at one end adjacent the mast. This member is adapted for attachment of the bottom of the sail thereto. The member increases in diameter from its said one end to its other end.

IPC 1-7  
**B63H 9/10**

IPC 8 full level  
**B63H 9/10** (2006.01)

CPC (source: EP)  
**B63H 9/1042** (2013.01)

Citation (search report)  
• [A] US 3749043 A 19730731 - CRALL D  
• [A] GB 2113636 A 19830810 - RUSSELL ROBERT DENNIS  
• [A] FR 2621882 A1 19890421 - MAILLARD MICHEL [FR]

Cited by  
DE102014111341A1; DE202014010841U1

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0390441 A1 19901003**; AU 4931890 A 19900927; CA 2009725 A1 19900927; JP H02286493 A 19901126; NZ 232370 A 19910827

DOCDB simple family (application)  
**EP 90303144 A 19900323**; AU 4931890 A 19900209; CA 2009725 A 19900209; JP 7858090 A 19900327; NZ 23237090 A 19900205