

Title (en)  
TUBULAR MAST CONSTITUTED OF STACKED ELEMENTS

Publication  
**EP 0067903 A3 19830727 (DE)**

Application  
**EP 81109127 A 19811028**

Priority  
• DE 3124845 A 19810624  
• DE 3141787 A 19811021

Abstract (en)  
[origin: EP0067903A2] A tubular mast constituted of stacked steel tube sections, the diameter of which decreases towards the top of the mast and which have a conically tapering portion on the top end of which a circumferential shoulder is formed, upon which the stacked tube section sits. The tapering portion has a cylindrical or conical extension which adjoins the circumferential shoulder and over which the upper tube section is placed. Located between the two tube sections is a conical, bush-like clamping device, via which the frictional and clamping forces required to hold the sections together are transmitted. The tube sections constructed in this way do not need to be welded together or adhesively bonded. They can be used for the assembly of tubular masts of any desired length at the erection site, thereby saving considerable transport and storage costs which are normally incurred when the tubular masts have to be transported or stored in their full length. <IMAGE>

IPC 1-7  
**E04H 12/08**

IPC 8 full level  
**E04H 12/08** (2006.01)

CPC (source: EP)  
**E04H 12/08** (2013.01)

Citation (search report)  
• [X] CH 225204 A 19430115 - ROTERBERG WERNER [DE]  
• [A] DE 3034270 A1 19810423 - KUERSTEINER HANS  
• [Y] US 3325950 A 19670620 - PFAFF JR HENRY C  
• [AD] DE 1434785 A1 19681128 - REINKE FRITZ  
• [A] US 3031041 A 19620424 - PFAFF JR HENRY C

Cited by  
CN113503081A; US5081804A; EP1707708A3; EP0285584A3; WO8501977A1; EP0312205B1

Designated contracting state (EPC)  
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