

Title (en)
MAST SYSTEM FOR CONSTRUCTING A MAST

Title (de)
MASTSYSTEM FÜR DEN AUFBAU EINES MAST

Title (fr)
SYSTÈME POUR ÉRIGER UN MÂT

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Application
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Abstract (en)
The present invention relates to a mast system (1) for constructing a mast with a number of stackable mast parts (2). A lifting device is arranged on a frame (6) which is mountable round the mast. The frame is displaceable in longitudinal direction of the mast and lockable to the upper mast part. The lifting device comprises two arms (8) with winches (10) for lifting a mast part for stacking to a lifting position located above the highest point of the mast. The arms are mounted pivotally (S) on either side of the frame, each arm is provided with an individual drive (9) and the lifting device is configured to move the mast part for stacking from the lifting position to an aligned position by pivoting the arms. The invention further relates to an attraction for amusement rides comprising the mast system and a method for constructing a mast using the mast system.

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Citation (applicant)
CN 202670977 U 20130116 - LI DAOHUA

Citation (search report)
• [A] EP 1857670 A1 20071121 - W2E WIND TO ENERGY GMBH [DE]
• [A] DE 19647515 A1 19980520 - OTTO GERD ALBRECHT [DE]
• [A] DE 19741988 A1 19990401 - PEITER KARIN [DE]
• [A] DE 19724273 A1 19981210 - MAURER FRIEDRICH SOEHNE [DE]

Cited by
CN111441643A; EP3163069B1; WO2021158123A1

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