

Answer guidelines to QE 2006 Paper A

Note: The answer guidelines contain some points (non-exhaustive) that could be covered in the answer to this Paper.

1	<p>Apparatus Claim</p> <p>A tower crane comprising -</p> <p>a tower having a central longitudinal axis,</p> <p>a jib,</p> <p>a jib mounting on the tower,</p> <p>the jib mounting including a first pivot located within the outer periphery of the tower,</p> <p>whereby the jib is movable relative to the tower from a position extending laterally from the tower axis and a position aligned with, or parallel to the tower axis,</p> <p>the upper part of the tower being pivotally attached to the tower by a second pivot located at the edge of the tower,</p> <p>whereby the upper part of the tower together with the jib and jib mounting is movable between a position extending upwardly from the tower and a position lying alongside the tower.</p>
2.	<p>Method claim.</p> <p>A method of folding a tower crane as claimed in any preceding claim comprising the steps of,</p> <p>moving the jib relative to the tower</p>

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	<p>from a use position extending laterally from the upright tower to a position wherein the jib extends upwardly from the tower, and moving the upper part of the tower together with the jib to bring the said upper part and jib alongside the tower.</p>
3.	<p>Subsidiary apparatus claims;</p> <p>Wherein a third pivot is provided at or adjacent the base of the tower for moving the tower between an upright position and a substantially horizontal position.</p> <p>Wherein the upper part of the tower includes a cab</p> <p>Wherein a pinion and ring gear is provided for moving the upper part of the tower</p>
4	<p>Subsidiary method claim</p> <p>The further step of moving the tower to a substantially horizontal position with the jib lying above it.</p>
5.	<p>Description:</p> <p>This should not only describe the invention but also in the discussion of the prior art draw a distinction between the invention and the prior art preferably by indicating the problem with the prior art and how the invention solves that problem.</p>