

Title (en)

Method for providing a foundation for a high-voltage electricity tower, network of high-voltage electricity towers provided with a foundation, and high-voltage electricity tower provided with a foundation

Title (de)

Verfahren zur Bildung eines Fundaments für einen Hochspannungs-Elektrizitätsturm, Netzwerk für Hochspannungs-Elektrizitätstürme mit einem Fundament und Hochspannungs-Elektrizitätsturm mit einem Fundament

Title (fr)

Procédé permettant de fournir une fondation pour une tour d'électricité haute tension, réseau de tours d'électricité haute tension munies d'une fondation et tour d'électricité haute tension munie d'une fondation

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Application

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Priority

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Abstract (en)

The invention relates to a method for providing a foundation for a high-voltage electricity tower. The method comprises the steps of excavating a pit in the ground for receiving a ground foundation and forming the ground foundation in the pit. The method comprises placing two or more tower foundations on the ground foundation, in such a way that the ground foundation connects the tower foundations to one another across a distance. The method comprises placing a high-voltage tower pile on each of the tower foundations, wherein the high-voltage tower piles carry cable lines at a predetermined orientation of the cable lines with respect to the high-voltage tower piles. The ground foundation is provided with one or more beams in a beam pattern. The method comprises the step of determining the beam pattern. Determining the beam pattern is based on a distribution of forces on the ground foundation resulting from axial forces in the cable lines and the orientation of the cable lines with respect to the high-voltage tower piles.

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