ORANGE PRODUCT CONTRACT

Product Description: Portable, light-weight device for moving and planting trees

Intended Customers:

Primary customers: landscapers and equipment rental companies Additional customers: home gardeners and non-profit organizations that plant trees

Customer Need	Product Attribute(s)	Engineering Specs
Is easily maneuvered on a variety of surfaces	Curb-friendlyStable	 Can go over 4" curb Won't tip while traveling at 3mph
Can be easily lifted and stored in a truck bed	LightweightCompact storage configuration	 No component heavier than 50 lbs, total weight less than 150lbs Fits in full bed of 61"x96"
Can lift a 300lb tree	StrongStableTime-efficient	 Can lift 600lb without failure Does not tip over with a 600lb load Secures and lifts tree in less than 1 min
Can lower and position a tree into a hole	Time-efficient vertical positioning	Lowers and positions tree in less than 5 min
Is safe to use	BrakingStable	 Able to brake device with 600lb load at up to 15 degree incline while stationary Able to brake device with 600lb load at up to 3mph Device stable for 600lb tree while on incline of up to 15 degrees
ls durable	Minimal maintenance	Device can lift and plant 300-lb trees 1000 times without failure
ls affordable	 Low-cost materials and processes 	Selling price less than \$500

Market: Landscaping equipment

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Need	Can go over 4" curb	Won't tip while traveling at most 3mph with 600lb load on at most 15 degree incline	No component heavier than 50lbs, total weight less than 150lbs	Fits in full bed of 61" x 96"	Can lift 600lb without failure	Secures and lifts tree in less than 1 minute	Lowers and positions tree in less than 5 minutes	Able to brake device with 600lb load at up to 15 degree incline while stationary	Able to brake device with 600lb load at up to 3mph	Device can lift and plant 300-lb trees 1000 times without failure	Selling price less than \$500
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