

Formal Title	Country Name	Status	Filing Date	Filing Number	Grant/Reg Number
Cable with a first thimble and a second thimble, and at least one yarn.	Netherlands	Granted (active)	20 mei 2014	2012848	2012848
Cable, and method for monitoring a cable.	Netherlands	Granted (active)	20 mei 2014	2012849	2012849
Cable with a first and a second thimble and at least one yarn, and method for producing an endless winding cable	Netherlands	Granted (active)	19 nov 2015	2015822	2015822
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Netherlands	Granted (active)	07 dec 2015	2015920	2015920
CÂBLE ET PROCÉDÉ DE SURVEILLANCE D'UN CÂBLE	France	Granted (active)	19 mei 2015	PCT/NL2015/050359	3114273
CABLE, AND METHOD FOR MONITORING A CABLE	United Kingdom	Granted (active)	19 mei 2015	PCT/NL2015/050359	3114273
Cable with a first and a second thimble and at least one yarn, and method for producing an endless winding cable	United States of America	Granted (active)	14 nov 2016	PCT/NL2016/050793	10753040
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND FRAME ELEMENT WITH ELONGATED PULL ELEMENT	Netherlands	Granted (active)	18 mei 2018	2020962	2020962
Cable with a first and a second thimble and at least one yarn, and method for producing an endless winding cable	Australia	Granted (active)	14 nov 2016	PCT/NL2016/050793	2016356537
CABO COM UM PRIMEIRO E UM SEGUNDO DEDAIS E PELO MENOS UM FIO, E MÉTODO PARA PRODUZIR UM CABO DE ENROLA	Brazil	Granted (active)	14 nov 2016	PCT/NL2016/050793	1120180097810B1
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	Canada	Granted (active)	14 nov 2016	PCT/NL2016/050793	3001983
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	China	Granted (active)	14 nov 2016	PCT/NL2016/050793	108291362B
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	India	Granted (active)	14 nov 2016	PCT/NL2016/050793	443798
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	Japan	Granted (active)	14 nov 2016	PCT/NL2016/050793	6483935
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	New Zealand	Granted (active)	14 nov 2016	PCT/NL2016/050793	742512
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	South Africa	Granted (active)	14 nov 2016	PCT/NL2016/050793	2018/03237
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	Sri Lanka	Granted (active)	14 nov 2016	PCT/NL2016/050793	19878
DEVICE AND METHOD FOR PRODUCING A LOAD BEARING CABLE, AS WELL AS A LOAD BEARING CABLE	Australia	Granted (active)	06 dec 2016	PCT/NL2016/050849	2016366946
DISPOSITIVO E MÉTODO PARA PRODUZIR UM CABO, ASSIM COMO UM CABO	Brazil	Granted (active)	06 dec 2016	PCT/NL2016/050849	1120180112607B1
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Canada	Granted (active)	06 dec 2016	PCT/NL2016/050849	3005440
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	China	Granted (active)	06 dec 2016	PCT/NL2016/050849	108368677B
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	India	Granted (active)	06 dec 2016	PCT/NL2016/050849	417486
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Japan	Granted (active)	06 dec 2016	PCT/NL2016/050849	6539786
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	New Zealand	Granted (active)	06 dec 2016	PCT/NL2016/050849	743427
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	United States of America	Granted (active)	06 dec 2016	PCT/NL2016/050849	10655275
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	South Africa	Granted (active)	06 dec 2016	PCT/NL2016/050849	2018/03951
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Sri Lanka	Granted (active)	06 dec 2016	PCT/NL2016/050849	19899
VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES SEILVERBUNDS, SOWIE EIN SEILVERBUND	Austria	Granted (active)	06 dec 2016	16202408,7	3178988
DISPOSITIF ET PROCÉDE DE FABRICATION D'UN CÂBLE DE TRACTION, ET D'UN CÂBLE DE TRACTION	Belgium	Granted (active)	06 dec 2016	16202408,7	3178988
VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES SEILVERBUNDS, SOWIE EIN SEILVERBUND	Switzerland	Granted (active)	06 dec 2016	16202408,7	3178988
VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES SEILVERBUNDS, SOWIE EIN SEILVERBUND	Germany	Granted (active)	06 dec 2016	16202408,7	3178988
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Denmark	Granted (active)	06 dec 2016	16202408,7	3178988
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Spain	Granted (active)	06 dec 2016	16202408,7	3178988
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Finland	Granted (active)	06 dec 2016	16202408,7	3178988
DISPOSITIF ET PROCÉDÉ DE FABRICATION D'UN CÂBLE DE TRACTION, ET D'UN CÂBLE DE TRACTION	France	Granted (active)	06 dec 2016	16202408,7	3178988
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	United Kingdom	Granted (active)	06 dec 2016	16202408,7	3178988
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Ireland	Granted (active)	06 dec 2016	16202408,7	3178988
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Iceland	Granted (active)	06 dec 2016	16202408,7	3178988
DISPOSITIVO E METODO DI PRODUZIONE DI UN CAVO PORTANTE, E UN CAVO PORTANTE	Italy	Granted (active)	06 dec 2016	16202408,7	3178988
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Luxembourg	Granted (active)	06 dec 2016	16202408,7	3178988
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Netherlands	Granted (active)	06 dec 2016	16202408,7	3178988
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Norway	Granted (active)	06 dec 2016	16202408,7	3178988
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Portugal	Granted (active)	06 dec 2016	16202408,7	3178988
DEVICE AND METHOD FOR PRODUCING A CABLE, AS WELL AS A CABLE	Sweden	Granted (active)	06 dec 2016	16202408,7	3178988
DEVICE AND METHOD FOR PRODUCING A LOAD BEARING CABLE, AS WELL AS A LOAD BEARING CABLE	United States of America	Granted (active)	06 dec 2016	PCT/NL2016/050849	10829891
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Australia	Granted (active)	23 jan 2019	PCT/NL2019/050040	2019211014
EQUIPAMENTO PESADO EXPANSÍVEL, ELEMENTO DE TRAÇÃO ALONGADO E USO DE EQUIPAMENTO PESADO EXPANSÍVEL	Brazil	Granted (active)	23 jan 2019	PCT/NL2019/050040	11 2020 015067 3
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Canada	Granted (active)	23 jan 2019	PCT/NL2019/050040	3087450
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	China	Granted (active)	23 jan 2019	PCT/NL2019/050040	ZL2019800098462
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	India	Granted (active)	23 jan 2019	PCT/NL2019/050040	509228
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Japan	Granted (active)	23 jan 2019	PCT/NL2019/050040	6883714
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	New Zealand	Granted (active)	23 jan 2019	PCT/NL2019/050040	766509
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	United States of America	Granted (active)	23 jan 2019	PCT/NL2019/050040	11111114
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	South Africa	Granted (active)	23 jan 2019	PCT/NL2019/050040	2020/04597
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Sri Lanka	Granted (active)	23 jan 2019	PCT/NL2019/050040	21199
Device and method for producing an endless winding cable	Netherlands	Granted (active)	31 mei 2023	2034957	2034957
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND FRAME ELEMENT WITH ELONGATED PULL ELEMENT	Australia	Granted (active)	28 mrt 2019	PCT/NL2019/050194	2019243660
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND FRAME ELEMENT WITH ELONGATED PULL ELEMENT	Brazil	Granted (active)	28 mrt 2019	PCT/NL2019/050194	1120200198170
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND FRAME ELEMENT WITH ELONGATED PULL ELEMENT	Canada	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3092552
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND FRAME ELEMENT WITH ELONGATED PULL ELEMENT	China	Granted (active)	28 mrt 2019	PCT/NL2019/050194	2019800235192
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND FRAME ELEMENT WITH ELONGATED PULL ELEMENT	India	Granted (active)	28 mrt 2019	PCT/NL2019/050194	489614
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND FRAME ELEMENT WITH ELONGATED PULL ELEMENT	Japan	Granted (active)	28 mrt 2019	PCT/NL2019/050194	6937441
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND FRAME ELEMENT WITH ELONGATED PULL ELEMENT	New Zealand	Granted (active)	28 mrt 2019	PCT/NL2019/050194	768039

EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND FRAME ELEMENT WITH ELONGATED PULL ELEMENT	United States of America	Granted (active)	28 mrt 2019	PCT/NL2019/050194	10941025
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND FRAME ELEMENT WITH ELONGATED PULL ELEMENT	South Africa	Granted (active)	28 mrt 2019	PCT/NL2019/050194	2020/05519
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND FRAME ELEMENT WITH ELONGATED PULL ELEMENT	Sri Lanka	Granted (active)	28 mrt 2019	PCT/NL2019/050194	21330
Device and method for producing a cable, as well as a cable	Netherlands	Granted (active)	22 feb 2024	2037092	2037092
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Austria	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Belgium	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Switzerland	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Germany	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Denmark	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Spain	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Finland	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	France	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	United Kingdom	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Ireland	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Iceland	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Italy	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Luxembourg	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Netherlands	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Norway	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Portugal	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT	Sweden	Granted (active)	28 mrt 2019	PCT/NL2019/050194	3762323
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Austria	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Belgium	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Switzerland	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Germany	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Denmark	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Spain	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Finland	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	France	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	United Kingdom	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Ireland	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Iceland	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Italy	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Luxembourg	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Netherlands	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Norway	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Portugal	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
EXPANDABLE HEAVY EQUIPMENT, ELONGATED PULL ELEMENT, AND USE OF EXPANDABLE HEAVY EQUIPMENT	Sweden	Granted (active)	23 jan 2019	PCT/NL2019/050040	3724123
Endless winding cable with a first and a second thimble and at least one yarn, and thimble for an endless winding cable	Netherlands	Granted (active)	14 dec 2022	2033719	2033719
Flexible cable with increased life span, and a method for producing a flexible cable	Netherlands	Granted (active)	04 jan 2023	2033909	2033909
Tendon for a tension leg platform and tension leg platform including such tendon	Netherlands	Granted (active)	13 mrt 2023	2034334	2034334
CABLE, AND METHOD FOR MONITORING A CABLE	France	Granted (active)	19 mei 2015	PCT/NL2015/050359	3258010
CABLE, AND METHOD FOR MONITORING A CABLE	United Kingdom	Granted (active)	19 mei 2015	PCT/NL2015/050359	3258010
CABLE, AND METHOD FOR MONITORING A CABLE	Netherlands	Granted (active)	19 mei 2015	PCT/NL2015/050359	3258010
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	Unitary Patent	Granted (active)	14 nov 2016	PCT/NL2016/050793	3377694
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	Switzerland	Granted (active)	14 nov 2016	PCT/NL2016/050793	3377694
Cable con un primer y un segundo guardacabos y al menos un hilo, y método para producir un cable de bobinado sin fin	Spain	Granted (active)	14 nov 2016	PCT/NL2016/050793	3377694
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	United Kingdom	Granted (active)	14 nov 2016	PCT/NL2016/050793	3377694
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	Ireland	Granted (active)	14 nov 2016	PCT/NL2016/050793	3377694
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	Iceland	Granted (active)	14 nov 2016	PCT/NL2016/050793	3377694
CABLE WITH A FIRST AND A SECOND THIMBLE AND AT LEAST ONE YARN, AND METHOD FOR PRODUCING AN ENDLESS WINDING CABLE	Norway	Granted (active)	14 nov 2016	PCT/NL2016/050793	3377694
Flexible cable with increased life span, and a method for producing a flexible cable	Netherlands	Granted (active)	19 jul 2023	2035422	2035422
Factory for producing an elongated tension member, and method for constructing such a factory	Netherlands	Granted (active)	14 nov 2023	2036267	2036267
Factory for producing an elongated tension member, and method for constructing such a factory	Japan	Granted (active)	07 aug 2024	2024-131020	7733183
Flexible cable with increased life span, and a method for producing a flexible cable	United States of America	Granted (active)	13 mrt 2023	PCT/NL2023/050124	12,492,510
	United States of America	Allowed	11 nov 2024	PCT/NL2024/050615	