

1 Supplementary materials

2 Table S1. A list of patent classifications related to fishery technologies

IPC	Technology	Core technology
A01K65/00	1. Harvesting	Fish stringers; Pisciculture
A01K69/00	1. Harvesting	Stationary catching devices
A01K71/00	1. Harvesting	Floating nets
A01K73/00	1. Harvesting	Drawn nets
A01K74/00	1. Harvesting	Other catching nets or the like
A01K75/00	1. Harvesting	Accessories for nets; Details of nets, e.g., structure
A01K77/00	1. Harvesting	Landing-nets; Landing-spoons
A01K79/00	1. Harvesting	Methods or means of catching fish in bulk
A01K80/00	1. Harvesting	Harvesting oysters, mussels, sponges or the like
A01K81/00	1. Harvesting	Fishing with projectiles
A01K83/00	1. Harvesting	Fish hooks
A01K85/00	1. Harvesting	Artificial baits
A01K87/00	1. Harvesting	Rods
A01K89/00	1. Harvesting	Reels
A01K91/00	1. Harvesting	Lines
A01K93/00	1. Harvesting	Floats for angling, with or without signalling devices
A01K95/00	1. Harvesting	Sinkers for angling
A01K97/00	1. Harvesting	Accessories for angling
A01K99/00	1. Harvesting	Methods or apparatus for fishing
A01G33/00	1. Harvesting	Cultivation of seaweed
G01S 15/00	1. Harvesting	Systems using the reflection or reradiation of acoustic waves
B63B 35/14	1. Harvesting	Fishing vessels
B63B 35/16	1. Harvesting	Trawlers
B63B 35/18	1. Harvesting	Adapted to dragging nets aboard
B63B 35/20	1. Harvesting	Adapted to hoisting nets aboard
B63B 35/24	1. Harvesting	Fish holds
B63B 35/26	1. Harvesting	For live fish
A01K61/00	2. Aquaculture	Culture of fish, mussels, crayfish, lobsters, sponges, pearls or the like
A01K63/00	2. Aquaculture	Receptacles for live fish, e.g., aquaria
A01K67/00	2. Aquaculture	Rearing or breeding animals, not otherwise provided for; New breeds of animals
A23K1/00	2. Aquaculture	Animal feeding stuffs for aquatic animals
A22C25/00	3. Products	Processing fish; Curing of fish; Stunning of fish by electric current
A22C29/00	3. Products	Processing shellfish or bivalves; Devices therefor

3 Source: OECD Natural Resource Policies Division (2015)

4 <https://www.oecd.org/fisheries-innovation/analysis/metada-patents-faip.pdf>

5 Table S2. Patent data collection period in PATENTSCOPE database by countries

Country	Data collecting periods	Country	Data collecting periods
PCT	20.10.1978 - 16.12.2016	Jordan	31.12.1899 - 16.03.2016
Argentina	12.02.1965 - 24.03.2016	Kenya	12.05.1996 - 01.02.2011
Bahrain	10.03.1957 - 29.09.2005	Mexico	02.12.1991 - 03.06.2016
Brazil	26.04.1972 - 07.09.2016	Morocco	07.07.1977 - 01.06.2016
Canada	12.08.1869 - 27.11.2016	Nicaragua	23.12.1982 - 07.02.2014
Chile	20.04.2000 - 28.05.2016	Panama	10.03.1990 - 30.10.2013
China	05.01.1989 - 10.11.2016	Peru	22.02.1989 - 01.01.2016
Colombia	14.02.1995 - 01.07.2016	Portugal	24.06.1967 - 01.07.2016
Costa Rica	03.10.0108 - 30.07.2016	Republic of Korea	27.07.1979 - 01.09.2016
Cuba	13.03.1968 - 01.09.2016	Russian Federation	16.02.1993 - 28.11.2016
Dominican Rep.	11.05.1964 - 01.07.2016	Russian Federation (USSR data)	01.03.1919 - 28.11.2016
Ecuador	02.10.1990 - 01.05.2015	Singapore	29.11.1995 - 31.08.2016
Egypt	02.01.2002 - 31.10.2014	South Africa	27.01.1983 - 30.07.2015
El Salvador	11.03.1970 - 25.06.2016	Spain	15.03.1827 - 17.08.2016
Estonia	18.10.1994 - 16.11.2016	Tunisia	01.01.1999 - 31.03.2016
Eurasian Patent Office	02.07.1996 - 01.09.2016	United Arab Emirates	02.07.2002 - 03.01.2013
Germany	03.07.1877 - 25.11.2016	United Kingdom	05.07.1782 - 13.10.2016
Germany (DDR data)	15.06.1951 - 23.04.1999	United States of America	01.08.1790 - 14.12.2016
Guatemala	31.12.1961 - 18.06.2016	Uruguay	17.08.1990 - 30.07.2016
Honduras	30.01.2004 - 28.04.2015	Viet Nam	26.05.1997 - 27.04.2010
Israel	02.01.1900 - 01.11.2016	ARIPO	04.07.1985 - 29.07.2008
Japan	09.01.1993 - 11.11.2016	European Patent Office	21.12.1978 - 24.11.2016

6 Source: World intellectual property organization, National Collections - Data Coverage

7 https://patentscope.wipo.int/search/en/help/data_coverage.jsf

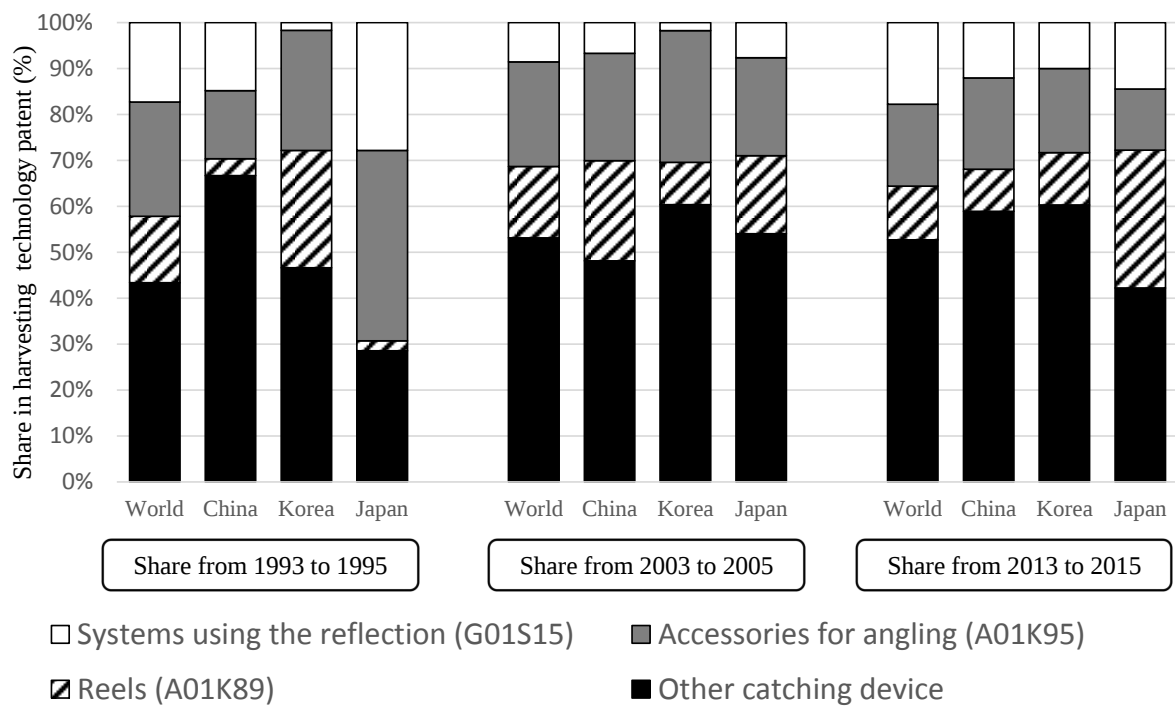


Figure S1. Patent portfolio of harvesting technologies from 1993 to 2015.

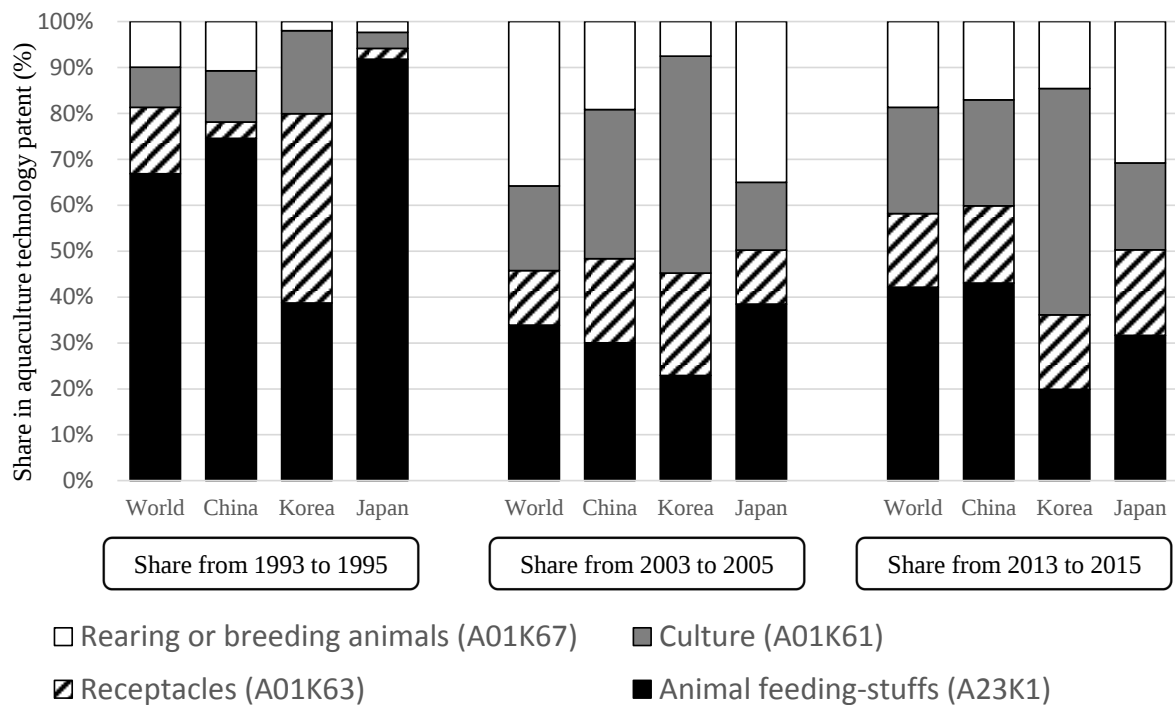


Figure S2. Patent portfolio of aquaculture technologies from 1993 to 2015.

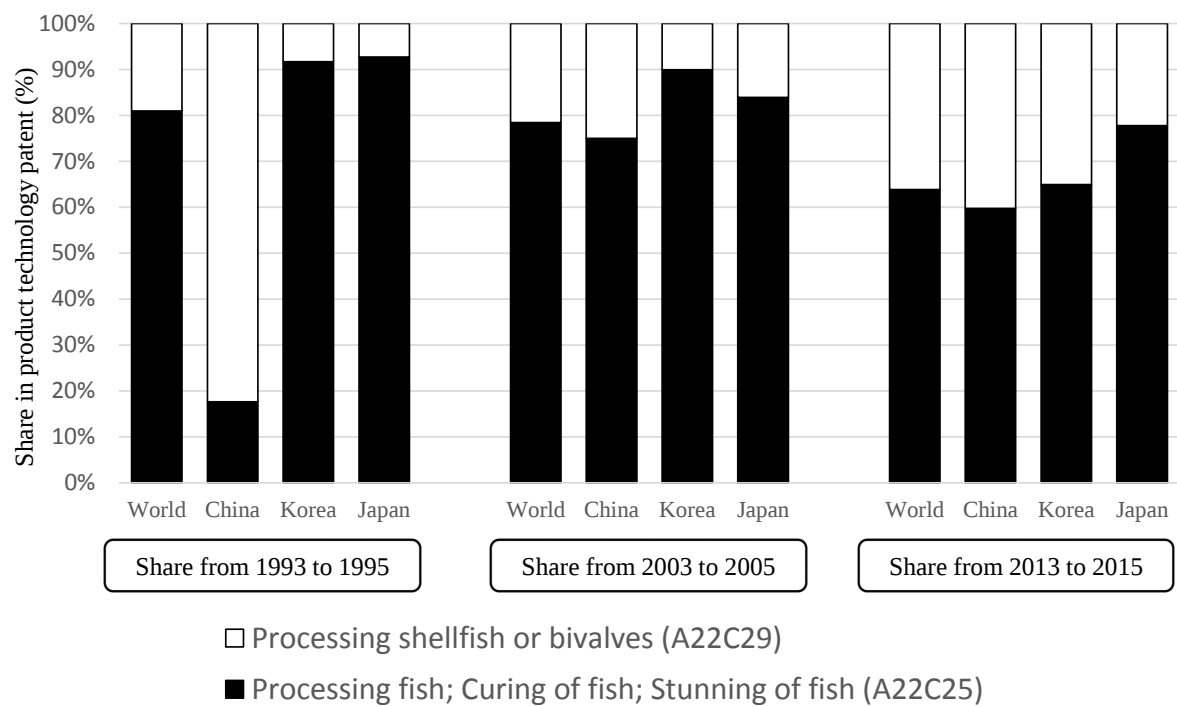


Figure S3. Patent portfolio of product technologies from 1993 through 2015.