

Search history

Search 1: FT=((cylinder W1 head) and engine and ((thermal or welding or arc or plasma) W2 spray)) (Results 176)

Search 2: FT=(diesel and engine and ((compression w1 ratio) W3 reduction)) (Results 80)

Search 3: FT=((compression w1 ratio) and engine and ((combustion W1 chamber) W3 increase) and volume) (Results 142)

Search 4: FT=(

Search 5: FT=(diesel and engine and ((natural w1 gas) or LPG or CNG) and conversion) (Results 4674)

Search 6: (5) and FT=((thermal or welding or arc or plasma) W2 spray) (Results 80)

Search 7: (5) and FT=((cylinder W1 head) W3 (addi* or modifica* or thick*)) (Results 7)

Search 8: FT=(diesel and engine and ((natural w1 gas) or LPG or CNG)) (Results 14497)

Search 9: (8) and FT=((cylinder W1 head) W3 (addi* or modifica* or thick*)) (Results 50)

- session log created:28 January 2018 22:53:50

- Update information:

PatBase Coverage at Update 2018 Week 03 (Year 2018 Week 03)

PatBase Coverage includes 100+ million documents from over 100 patent-issuing authorities and includes patent applications, granted patents, utility models and designs â€” detailed in the below coverage listings.

Major countries

Publishing body	Document type	Bibliographic publication date		Full-Text publication date	
		Earliest	Latest	Earliest	Latest
CN China	Patent Applications	19850910	20180119	19850910	20180119
	Patents	19930106	20180119	19930106	20180119
	Utility Model Applications	19850409	19921230	19850409	19921230
	Utility Models	19930106	20180119	19930106	20180119
	Designs	19850910	20180119	19850910	20150819
DE Germany	Patent Applications	19211221	20180118	19650317	20180118
	Patents	18770101	20180118	19200113	20180118
	Utility Models	19280626	20180118	19610831	20180118
	EP/WO Patents	19871217	20140410		
EP European Patent Office	Patent Applications	19781220	20180117	19781220	20180117
	Patents	19800109	20180117	19800109	20180117
FR France	Patent Applications	19690307	20180119	19810102	20171229
	Patents	18550227	20180119	19600502	20180112
	Utility Model Applications	19720107	20180119	19800104	20171229

	Utility Models	19730112	20180119	19690802	20180112
GB United Kingdom	Unpublished Patent Applications	19830209	20180103		
	Patent Applications	19790104	20180117	19790104	20180103
	Patents	17820704	20180117	19020911	19811216
JP Japan	Patent Applications	19710116	20180118	19930108	20180111
	Patents	19281026	20180110	19960529	20180110
	Utility Model Applications	19710723	20060209	19990817	20031107
	Utility Models	19640805	19960329		
	Registered Utility Models	19940726	20171228	19940726	20101216
	Designs	20141110	20180115		
KR Republic of Korea	Patent Applications	19781209	20180119	19801010	20180119
	Patents	19700820	20180119	19770628	20180119
	Utility Model Applications	19781127	20180119	19940730	20180119
	Utility Models	19780110	20180119	19970104	20180119
US United States of America	Patent Applications	20010315	20180118	20010315	20180118
	Patents	18360101	20180116	18560617	20180116
	Designs	18650912	20180116	19770719	20180116
WO World Intellectual Property Organization (WIPO)	Patent Applications	19781019	20180118	19781019	20180118
	Designs	20151023	20180119	20151023	20180119

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- **search:** SS1 FT=((cylinder W1 head) and engine and ((thermal or welding or arc or plasma) W2 spray)) (Results 176)
- List: SS1 1–50 (FT=((cylinder W1 head) and engine and ((thermal or welding or arc or plasma) W2 spray))) (Results 176)
- **search:** SS2 FT=(diesel and engine and ((compression w1 ratio) W3 reduction)) (Results 80)
- List: SS2 1–50 (FT=(diesel and engine and ((compression w1 ratio) W3 reduction))) (Results 80)
- List: SS2 1–50 (FT=(diesel and engine and ((compression w1 ratio) W3 reduction))) (Results 80)
- **search:** SS3 FT=((compression w1 ratio) and engine and ((combustion W1 chamber) W3 increase) and volume) (Results 142)
- List: SS3 1–50 (FT=((compression w1 ratio) and engine and ((combustion W1 chamber) W3 increase) and volume)) (Results 142)
- **search:** SS4 FT=(
- (
- ((compression W1 ratio) W3 reduc*) or
- ((combustion W1 chamber) W3 increas* and volume)
-) and

- ((thermal or welding or arc or plasma or weld) W2 spray)
- and engine) (Results 16)
- List: SS4 1–50 (FT=(
- (
- ((compression W1 ratio) W3 reduc*) or
- ((combustion W1 chamber) W3 increas* and volume)
-) and
- ((thermal or welding or arc or plasma or weld) W2 spray)
- and engine)) (Results 16)
- **search:** SS5 FT=(diesel and engine and ((natural w1 gas) or LPG or CNG) and conversion) (Results 4674)
- **search:** SS6 (5) and FT=((thermal or welding or arc or plasma) W2 spray) (Results 80)
- List: SS6 1–50 ((5) and FT=((thermal or welding or arc or plasma) W2 spray)) (Results 80)
- **search:** SS7 (5) and FT=((cylinder W1 head) W3 (addi* or modifica* or thick*)) (Results 7)
- List: SS7 1–50 ((5) and FT=((cylinder W1 head) W3 (addi* or modifica* or thick*))) (Results 7)
- **search:** SS8 FT=(diesel and engine and ((natural w1 gas) or LPG or CNG)) (Results 14497)
- **search:** SS9 (8) and FT=((cylinder W1 head) W3 (addi* or modifica* or thick*)) (Results 50)
- List: SS9 1–50 ((8) and FT=((cylinder W1 head) W3 (addi* or modifica* or thick*))) (Results 50)