Redmine - Defect #37008

Custom query

2022-04-22 14:49 - Eugene Lastname

Status:	New	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Search engine	**Estimated time:**	0.00 hour
Target version:			
Resolution:		**Affected version:**	

Description

We have made a query for our entities, inheriting the basic redmine Query.
But faced a problem with using custom methods sql_for_['field_name']_field

This is how the filters are defined

```
def sql_for_something_field(field, operator, values)
   sql_for_field(field, operator, values, ::StateContract.table_name, :identifier)
end
```

And during the exploitation found that filters with the operator "!*" and string data type do not always work correctly.
All next filters stop working.

Here is the resulting SQL

```
WHERE ( table1.field1 IS NULL OR table1.field1 = '' AND (table2.id IN (1000)))
```

The problem is the missing brackets around

```
table1.field1 IS NULL OR table1.field1 = ''
```

After some digging, I found (app/models/query.rb:989)

```
filters_clauses << send(method, field, operator, v)
```

Which did not expose brackets for the custom filter.

I believe that filters, even custom ones, should be isolated.

Please replace

```
filters_clauses << send(method, field, operator, v)
```

on the

```
filters_clauses << '(' + send(method, field, operator, v) + ')'
```

Note
For most filters, your implementation is not a problem
But for the operator "!*" with the string data type in the query, an OR is set, which breaks the query.