super in a Mutex#synchronize block

The following code:

```
require 'thread'

class Parent
  def meth
  end
end

class Child < Parent
  def meth
    Mutex.new.synchronize do
      super
    end
  end
end

Child.new.meth
```

raises

```
bug_super.rb:13:in block in meth': can't find the method for super, which may be called in an orphan block (NoMethodError)
from <internal:prelude>:10:insynchronize'
from bug_super.rb:12:in meth'
from bug_super.rb:18:in'
```


History

#1 - 08/15/2012 02:25 AM - nagachika (Tomoyuki Chikanaga)

Hi,

This issue seems happen after r36640.

#2 - 08/21/2012 02:41 AM - tenderlovemaking (Aaron Patterson)

- File fix.patch added

I'm hitting this bug in the Rails tests too. It does not need to be a synchronize block. Any method that yields will cause this error:

```
class A; def self.yielder; yield; end end
class X
  def self.hello; 'hi'; end
end
class Y < X
  def self.hello; A.yielder { super() }; end
end
Y.hello
```
I've attached a patch with a test and fix. It seems that the loop that walks up the control frames would stop even though there is a valid recipient for that method further up the stack. I'm not incredibly pleased with my patch because it has to do a kind_of for each object as it walks up, but it does fix this bug.

Shugo - do you have a better fix for this, or may I apply this patch?

Thanks.

#3 - 08/22/2012 11:42 AM - shugo (Shugo Maeda)
- Status changed from Open to Assigned
- Assignee changed from shugo (Shugo Maeda) to tenderlovemaking (Aaron Patterson)

shugo (Shugo Maeda) wrote:

Shugo - do you have a better fix for this, or may I apply this patch?

I haven't come up with a better solution. Could you apply the patch?

#4 - 02/18/2013 10:01 PM - mame (Yusuke Endoh)
- Status changed from Assigned to Closed

mame (Yusuke Endoh) wrote:

The patch was applied at r36784.

...  
Yusuke Endoh mame@tsg.ne.jp

Files

<table>
<thead>
<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>fix.patch</td>
<td>1.79 KB</td>
<td>08/21/2012</td>
<td>tenderlovemaking (Aaron Patterson)</td>
</tr>
</tbody>
</table>