Repartition

```java
public GearsBuilder<T> repartition(
    gears.operations.ExtractorOperation<T> extractor)
```

Moves records between the shards. The extracted data determines the new shard location for each record.

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>extractor</td>
<td>ExtractorOperation</td>
<td>Extracts a specific value from each record</td>
</tr>
</tbody>
</table>

**Returns**

Returns a GearsBuilder object with a new template type.

**Example**

Repartition by value:

```java
GearsBuilder.CreateGearsBuilder(reader).
    repartition(r->{
        return r.getStringVal();
    });
```

**Updated:** January 31, 2022